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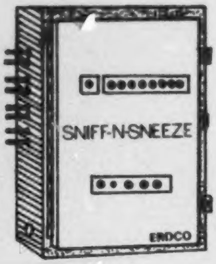

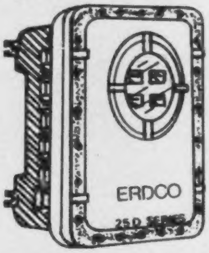

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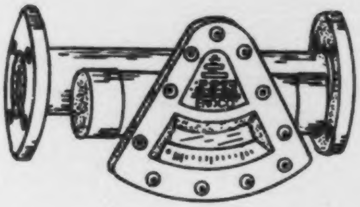

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SOYBEANS: THE MIRACLE CROP

U.S. soybean growth during this century has been spectacular. Beginning as an experimental crop early in the 1900s, it took soybean farmers until 1968 to reach their first one billion bushel crop. In 1979, just 11 years later, soybean farmers produced their first two billion bushel crop.

On the supply side, rapidly increasing acreage has generated the two billion bushel crops. In the past 10 years, U.S. soybean acreage has nearly doubled—from 42 million acres to nearly 70 million acres.

U.S. farmers have increased soybean acreage to meet the increasing demand for soybeans, soybean meal and soybean oil.

Three major factors have accounted for this soybean growth:

- First, soybean farmers have been producing their crop to meet demand, not to meet the needs of government programs. As a result, U.S. soybean production is sensitive to changes in the marketplace. U.S. soybean farmers are concerned about producing a product that fills the need of a worldwide market.

- Second, U.S. agriculture in general and soybeans in particular have been the most productive sector of the U.S. economy. This has resulted from a tremendous commitment to agricultural research. U.S. soybean farmers are investing more than $3 million a year on soybean research. And, we will continue to encourage federal and state support for additional soybean research.

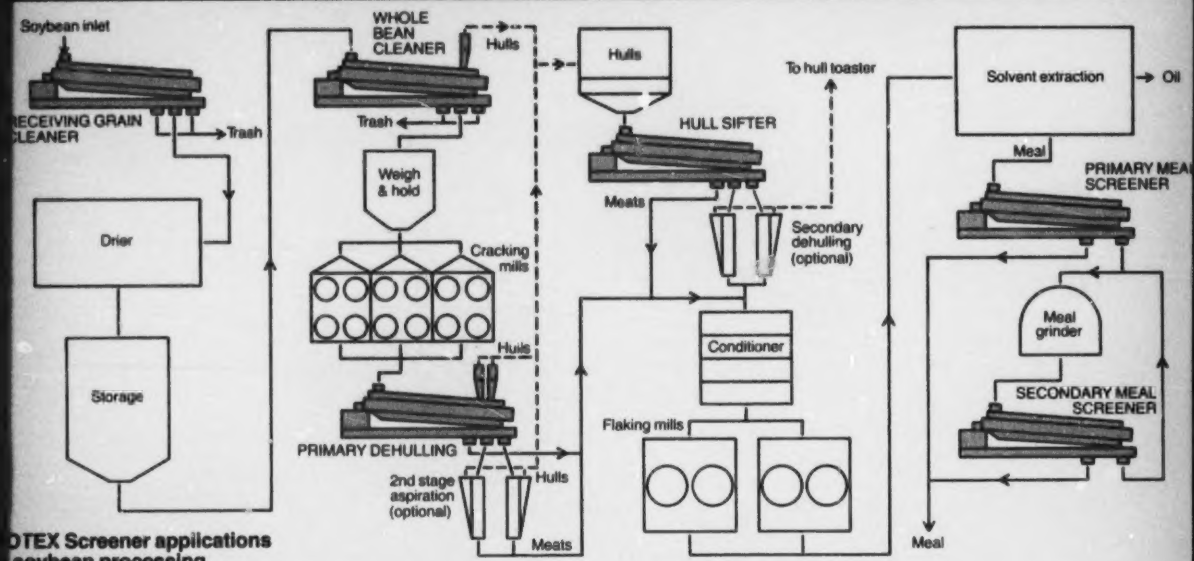
- Third, U.S. soybean farmers—in cooperation with industry and government—are working throughout the world to demonstrate efficient uses of soybeans, soybean meal and soybean oil. During the past year, soybean farmers invested more than $5 million of their own money in these export promotion activities. According to a new Chase Econometrics study, export promotion over the last 10 years has increased—on an annual average—soybean exports 4.1 percent; soybean meal exports 11.6 percent and soybean oil exports 11.7 percent.

The farmers and staff of the American Soybean Association look forward to continuing our worldwide commitment to building the supply and demand of soybeans. It's part of our commitment to building profits for U.S. soybean farmers. We hope this edition of SOYA BLUEBOOK will help the international soybean community.

Kenneth L Bader

Kenneth L. Bader
Chief Executive Officer
American Soybean Association

How Rotex® Screeners increase profits for soybean processing plants


Soybean inlet
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Trash
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Trash
Weigh & hold
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Hulls
PRIMARY DEHULLING
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Hulls
Meats
Hulls
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Meats
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Solvent extraction
Oil
Meal
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Meal grinder
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Meal

OTEX Screener applications soybean processing

It's surprising how many ways soybean processing plants use ROTEX Screeners. And every application area, from receiving station to meal processing, contributes directly to the soybean plant's bottom line. You profit through greater yields, as ROTEX Screeners minimize the loss of good product during processing. You profit from ROTEX reliability and less downtime. And from more accurate and uniform sizing, for a better quality end product. In every respect, ROTEX Screeners are specifically engineered to meet the requirements of difficult soybean applications.

Receiving cleaning — Increasing emphasis is being placed today on the cleaning of incoming grain to remove fines, whose presence tends to restrict circulation and cause product loss during storage. ROTEX Grain Cleaners are ideal for this application because they use a *long stroke/low frequency* horizontal screening motion. The motion quickly stratifies the fines down against the screen openings without violent agitation and remixing; fines readily pass through while the gentle motion minimizes grain breakage and produces maximum yields.

Model 722 ROTEX Grain Cleaner equipped for aspiration

Prep room whole bean cleaning — Field trash and other oversize foreign matter are quickly removed by ROTEX Screeners as the horizontal gyratory motion minimizes upending of trash and helps prevent screen blinding. ROTEX Screeners can be furnished with aspiration for automatic removal of loose hulls and other light material off the top of the bed of whole beans — while removing grit and fines prior to cracking.

Cracked bean dehulling — The ROTEX horizontal gyratory motion causes hulls to ride up on top for easy aspiration, as the meats move to the bottom for steady conveying off the screen surface. Efficient hull removal is accomplished with minimum loss of meats.

Hull sifting — ROTEX Screeners produce accurately and uniformly sized fractions, which permits use of falling bed aspirators for additional meat recovery in secondary dehulling systems.

Meal sifting — The high capacities of ROTEX Screeners save floor space and power while producing efficient separations and reducing recycle load on the grinding mill.

Over 70 years' experience — Whatever your requirements in soybean processing, ROTEX INC. can help increase your yields and your profits. Our test lab is available for analysis and demonstration on your material, or field visits can be arranged to ROTEX installations. For further information, consult your local ROTEX representative (see Yellow Pages under "Screening & Sifting") or our application specialists in Cincinnati. ROTEX INC., 1236 Knowlton Street, Cincinnati, Ohio 45223. Telephone 513-541-1236.

ROTEX INC.

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Soya Bluebook is published each June. Listing are provided to qualified members of the soybean industry. Every effort has been made to present a publication free of errors and /or omissions. In the event that errors or omissions occur, the editor of *Soya Bluebook* requests communications to that effect so that corrections can be made in future editions.
Additional copies of *Soya Bluebook* are $25. Contact Circulation & Sales Department.

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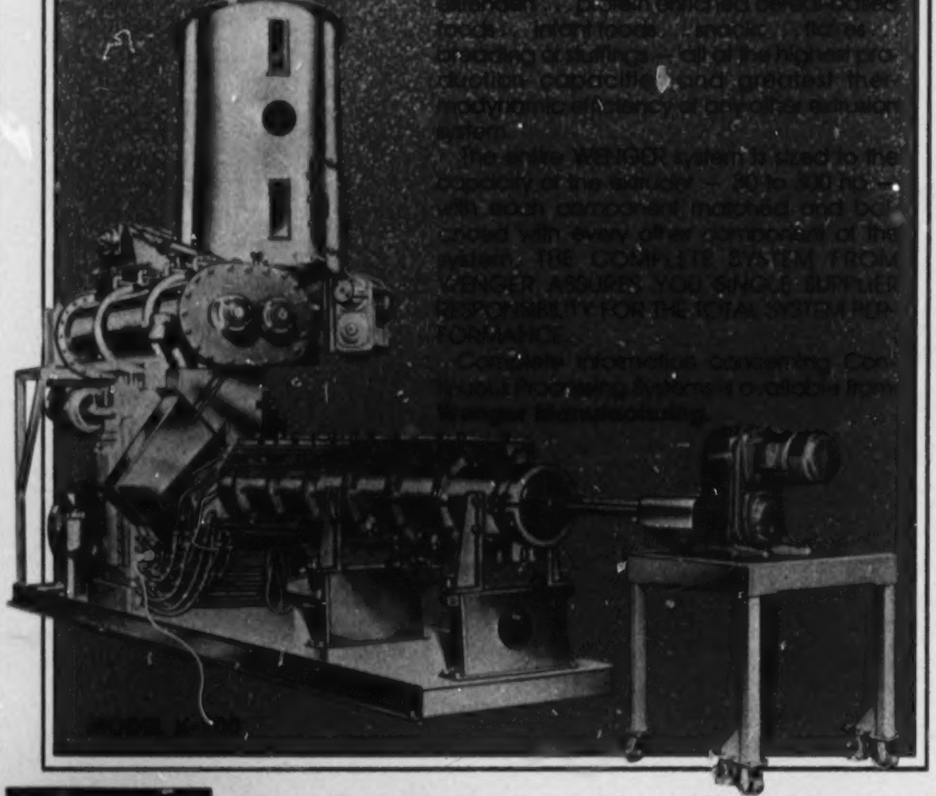

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Wenger International - *Subsidiary Office*, Franklin Rooseveltplaats
N. 12, Antwerpen, Belgium, tel. (31) 327005, telex 31413

organizations

AMERICAN SOYBEAN ASSOCIATION

Founded: 1920 Organized: 1925 Incorporated: February 28, 1946

Home Office: P.O. Box 27300, St. Louis, MO 63141.
Ph. 314-432-1600. TLX: 447297 (USBEANS STL).

Washington Office: 600 Maryland Ave., SW, Suite 510, Washington, DC 20036.
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Overseas directors are assigned the broad task of promoting increased use of soybeans and soybean products outside the U.S.

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Gil Griffis, Akasaka Tokyu Bldg., 11th Floor, 2-14-3 Nagatacho, Chiyoda-ku, Tokyo, Japan 100. Ph. 593-2501; TLX: 781-28638 (USBEANS J28638).

ASIA, SOUTHEAST
Dr. Don Bushman, Liat Towers, 15th Floor, Rm. 1501, Orchard Rd., Singapore 0923. Ph. 737-6233; TLX: 786-25706 (TRIWHT RS 25706).

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Joe Zak, Centre International Rogier, Rm. 2501-2506, Boite 521, 1000 Brussels, Belgium. Ph. 217-20-75; TLX: 846-26128 (AMSOYA B).

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Dr. Steve Chen, Rm. 603, Kwang-Wu Bldg., 386-12 Tun Hua South Rd., Taipei, Taiwan. Ph. 781-2110; TLX: 19422 (USBEANS).

REGIONAL MANAGERS

Provide support to state checkoff and state soybean association boards in the establishment, execution and maintenance of checkoff, membership, export promotion, research, education and government relations programs.

REGION 1: Minnesota, Wisconsin
Aleks Cerne; Ted Tucker, Asst., 113 Monroe Ave., North Mankato, MN 56001, Ph. 507-388-1635.

REGION 3: Kansas, Nebraska, Oklahoma, South Dakota
Dave Drennan, 10551 Barkley, Suite 416, Overland Park, KS 66212, Ph. 913-648-2126.

REGION 4: Iowa
Les Rhodes; Steve Pedersen, Asst., Suite 600, West Towers, 1200 35th St., West Des Moines, IA 50265, Ph. 515-223-1423.

REGION 5: Missouri
Tony Ballmann, 3504 Woodside Dr., Columbia, MO 65202, Ph. 314-474-2848.

REGION 6: Illinois
Bill Tiberend; Dennis Thompson, Asst., 2422 E. Washington St., Bloomington, IL 61701, Ph. 309-663-9433.

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Darwyn Nelson, 130 E. Washington, Indianapolis, IN 46204, Ph. 317-631-8331, ext. 1434.

REGION 8: Ohio, Michigan
Doug Leith, 6875 Lancaster-Newark Rd., Baltimore, OH 43105, Ph. 614-862-4807.

REGION 9: Delaware, Maryland, New Jersey, North Carolina, Pennsylvania, Virginia
Jerry Kennedy, One Plaza E., Suite 420, P.O. Box 319, Salisbury, MD 21801, Ph. 301-742-9500.

REGION 10: Arkansas, Louisiana, Mississippi, Tennessee, Texas
Roger Atkins, P.O. Box 202, West Memphis, AR 72301, Ph. 501-735-3025.

REGION 11: Alabama, Florida, Georgia, South Carolina
Carlton Earhart, P.O. Box 2007, Tifton, GA 31794, Ph. 912-382-4900.

BOARD OF DIRECTORS

Approximately 20,000 members from 24 affiliated state associations pay membership dues for member services and government relations efforts. State associations elect directors, based on production levels, to serve on ASA Board of Directors. Responsibilities include directing activities in accordance with ASA policies, approving budgets, evaluating ASA programs, and contracting American Soybean Development Foundation to carry out education, research and market development activities.

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GOVERNMENT

The American Soybean Association staff and officers maintain constant contact with all branches of government at the national level in order to further the objectives of soybean producers. ASA encourages legislation and governmental actions that will benefit soybeans and result in an orderly growth of the crop and industry and discourages legislation or actions that will prove harmful or restrictive to the crop, in cooperation with state soybean associations.

ASA works with the U.S. Department of Agriculture and the industry in efforts to expand markets for U.S. soybeans and soybean products at home and abroad; it strives to maintain reasonable support levels without inducing excessive acreage and over-production; it constantly presents to Congress the need for adequate government research in the production, marketing and utilization of the crop.

HOLDS CONFERENCES with the nation's outstanding soybean authorities as speakers. Its resolutions are adopted by soybean farmer delegates at the ASA annual meeting and serve as guides for the association during the year.

ANSWERS YOUR QUESTIONS. The world headquarters of the American Soybean Association at St. Louis, MO, serves as a clearinghouse of information for the industry, answering thousands of inquiries that come throughout the year.

ACTIVITIES

The American Soybean Association is a national nonprofit, volunteer, single commodity organization of soybean producers organized to assure the opportunity of a profitable soybean industry. ASA:

1. Conducts and supports programs to create and develop markets for soybeans and soybean products.
2. Conducts and supports effective programs of research and education.
3. Monitor and influence governmental programs and policy to represent the best interest of America's soybean producer.
4. Provides production and marketing information and develops public relations programs which identify and promote ASA.

OBJECTIVES

1. To promote profitable soybean production for U.S. producers and the total soybean industry.
2. To be the worldwide spokesman for all U.S. soybean producers.
3. To maintain a national association of soybean growers to act as an umbrella organization for all affiliates.
4. To promote the utilization of U.S. soybeans and soybean products worldwide through cooperative producer, industry, and government market development programs.
5. To assure a free world market for soybeans, and therefore, a continued increase in demand for U.S. soybeans.
6. To assure adequate support for soybean research.
7. To inform U.S. soybean producers of current production and marketing information.

PUBLICATIONS

The American Soybean Association publishes three publications on a regular basis:

SOYBEAN DIGEST is the only production/management magazine in the world produced for soybean growers. Issued nine times a year, SOYBEAN DIGEST is packed with information on improved management skills and production techniques that help increase soybean grower profits.

SOYBEAN UPDATE is provided exclusively to ASA members 50 times a year to provide growers with timely information to help them make soybean marketing decisions.

SOYA BLUEBOOK, published each June, is an annual directory of the soybean industry. BLUEBOOK is available to anyone at a subscription price of $25 per book.

MEMBERSHIP

ACTIVE MEMBERSHIP. Any person who is an actual producer of soybeans whether as owner, manager or operator may apply for active membership in the Association by completing an application form furnished by the Association and submitting the same to the Association, together with payment of the dues fixed by the Association. Such application shall be considered by the Board of Directors or by such person or persons designated by such board. If such application is granted, the applicant's name shall be enterd on the Association's books as an active membership, and such member (or spouse) shall have full voting rights and may receive SOYBEAN UPDATE and SOYBEAN DIGEST.

ASSOCIATE MEMBERSHIP. Any persons, business organizations, corporations, partnerships and other agencies who are engaged in the promotion and interests of soybeans or soybean products may apply for associate membership in the Association by completing and submitting an application form furnished by the Association, together with payment of the dues established by the Association. Such application shall be considered by the Board of Directors or its designee, and if approved, the applicant may then be recorded as an associate membership. Such associate memberships will carry all membership privileges in the Association except the right to vote and and may receive SOYBEAN UPDATE and SOYBEAN DIGEST.

FOREIGN CONTRIBUTING MEMBERS. Any foreign business organizations, corporations, partnerships and other agencies and persons interested in the welfare of the soybean industry shall be extended the privilege of holding foreign contributing memberships in the Association by payment of the dues fixed by the Association. Such foreign contributing members will carry all membership privileges in the Association except the right to vote and may receive the SOYBEAN UPDATE and SOYBEAN DIGEST and the BLUEBOOK. Foreign includes all members outside the continental United States and Canada.

AFFILIATED ASSOCIATIONS—ASA now has 24 affiliated state associations, a rapid development since the first state association was organized 15 years ago.

MEMBERSHIP INFORMATION may be obtained by writing to: Membership & Field Services Department, 777 Craig Road, P.O. Box 27300, St. Louis, MO 63141. Ph. 314-432-1600; TLX: 447297.

STATE ORGANIZATIONS

State	Members (10/1/81)	Checkoff Status (10/1/81)
Alabama	462	½¢
Arkansas	1,550	1¢
Florida	203	½¢
Georgia	387	½¢
Illinois	3,346	½¢
Indiana	728	—
Iowa	2,469	½¢
Kansas	573	½¢
Kentucky	326	½¢
Louisiana	590	1¢
Michigan	315	½¢
Mid-Atlantic DE, MD, NJ, PA	369	1¢
Minnesota	1,056	1¢
Mississippi	880	1¢
Missouri	1,064	½¢
Nebraska	533	1¢
North Carolina	306	1¢
Ohio	1,899	—
Oklahoma	219	1¢
South Carolina	378	½¢
South Dakota*	101	—
Tennessee	371	½¢
Texas	280	½¢
Virginia	335	½¢
Wisconsin	394	—

*Not presently an affiliated state association.

RESEARCH

Soybean research is a key to increasing profits for your soybeans. Through grower investment checkoffs, soybean growers fund soybean research at the state and national level. Research investments help stimulate demand by improving product quality and developing new uses. Soybean research helps reduce production costs by helping you cut harvest losses, reduce disease problems and use improved varieties. Some of the grower-funded research projects helping increase profit-per-acre potential include:

- A Winter Nursery in Belize, Central America, provides two additional plant generations and speeds important varietal research.
- Experiments have led to new equipment such as the parabolic super chisel plow for silty clay and clay loam soils. Current efforts involve a computer controlled combine that automatically adjusts five combine functions to cut harvest losses.
- Research to solve major yield barriers includes a study to learn why the soybean plant aborts 65 percent of its pod-producing blooms. Other studies are developing basic information on the soybean plant's inability to fill pods during low moisture periods.
- Major research efforts are underway to improve soy oil quality by reducing or eliminating linolenic acid, a soy oil component which adversely affects stability, color, flavor and odor. Soy oil represents 35 percent of the soybean's value.
- Research projects to develop soybean varieties resistant to phytophthora root rot, cyst nematodes and other plant pests will pay for themselves through increased yields or lower costs.

MARKET DEVELOPMENT PROGRAMS

Soybean exports provide about half of the income for each soybean grower. During calendar year 1981, the U.S. exported more than $8.2 billion of soybeans, soybean meal and soybean oil. Soybean exports represent 20 percent of the total U.S. agricultural exports and 4 percent of all U.S. exports. In fiscal year 1982, soybean farmers invested nearly $5 million of their own checkoff funds for more than 200 market development projects in 76 countries. These programs have successfully created a new or expanded demand for soybeans overseas.

- An intensive education and promotion program in Europe sponsored by ASA has produced a dramatic increase in consumption of full-fat soybeans in livestock rations. Since the start of ASA's program in 1979, consumption increased over 5 million bushels in one year alone and is projected to jump to around 180 million bushels by 1985—up dramatically from the 1980 level of 15 million bushels.
- Human consumption of soy products in Mexico has increased 30 percent since the establishment of ASA's Human Nutrition Center in Mexico City in 1980. Consumption will double by 1985, experts say.
- U.S. soybean exports to the People's Republic of China increased from 5 million bushels in 1978-79 to 30 million bushels in 1979-80. To help develop this huge untapped market even more, ASA established its newest market development office in Peking.
- A four-year ASA campaign in West Germany to increase consumer awareness of identified soybean oil has increased annual consumption from 807 million pounds in 1977 to 1.2 billion pounds in 1980—a 50 percent increase in three years. Total consumption in 1980 was equivalent to 112 million bushels of soybeans—nearly equal to all the soybeans produced in Ohio that year.
- U.S. soybean exports to Japan have increased by 120 million bushels since ASA began market promotion efforts in 1956. Because of educational programs and seminars, Japanese feed manufacturers have increased the soybean meal content in their feeds, and today Japan uses nearly three times as much soybean meal as was used just 12 years ago.

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The farmer-boards managing the 23 state checkoff programs allocate a portion of their funds to the American Soybean Development Foundation (ASDF). ASDF directors contract with the American Soybean Association to implement market development, research and education programs designed to build soybean farmer profits as outlined according to the state checkoff programs.

INTERNATIONAL FOUNDATION FOR AGRICULTURAL DEVELOPMENT

P.O. Box 12572, St. Louis, MO 63141, Ph. 314-432-7464

International Foundation for Agricultural Development (IFAD) is a wholly owned subsidiary of the American Soybean Association organized to provide expert technical assistance for international agricultural development projects. By effectively utilizing experienced technical personnel, the long-term success of development projects beyond the life of the IFAD contract for services can be obtained.

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NATIONAL SOYBEAN PROCESSORS ASSOCIATION

Organized: 1930
Executive Offfice: 1800 M Street, NW, Washington DC 20036. Ph. 202-452-8040.

OFFICERS

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SECRETARY—Donald H. Leavenworth
TREASURER—Lowell K. Rasmussen
GENERAL COUNCIL—Elroy H. Wolff, Esq., Sidley & Austin, 1730 Pennsylvania Ave., NW, Washington DC 20006
DIRECTOR OF PUBLIC AFFAIRS—Murray C. Keene
MANAGING DIRECTOR
  National Soybean Crop Improvement Council (NSCIC)—Robert W. Judd, 211 S. Race St., Urbana, IL 61801, Ph. 217-367-0412.

Regular membership in the National Soybean Processors Association is open to individual firms or corporations regularly engaged in the actual processing of soybeans. The association now has 22 regular member firms which process more than 95% of the soybeans crushed in the United States.

Firms which are consumers of soy oil and/or soybean meal are eligible for associate membership. A number of refiners and mixed-feed manufacturers are now associate members of the association.

The association policy is determined by its board of directors who represent all sections of the processing areas and all types of processing units. The 16 committees of the association carry on the general activities group.

Through this organization, equitable trading rules have been developed which have admirably and fairly served the buyers and sellers of soybean products during the years in which the soybean industry has made such remarkable growth.

Government relations activities of NSPA have insured close cooperation between the soybean processing industry and the Federal government, on such issues as international trade negotiations, environmental protection regulation and domestic agriculture legislation.

The NSPA Export Development Committee has since 1978 reviewed extensively the American soybean meal export system and has developed revised and new trading rules improving the efficiency of the export process and the quality of products in international trade.

The intense research activity fostered by the association and its members has played an important part in placing the industry on the high plane which it enjoys today. The promotional efforts of the association and its members have established a place for soybean products in highly competitive fields. Through this research and promotional activity the products of soybeans have become standard essentials in our food, feed and industrial markets.

The National Soybean Crop Improvement Council was established in 1941 by the association to cooperate with agricultural interests to encourage the growing of soybeans in the United States. Robert W. Judd is the managing director located in Urbana, IL.

The Council cooperates with agronomy departments and experiment stations in the soybean-producing states, the U.S. Department of Agriculture and all segments of the soybean industry to encourage agronomic research for the purpose of reducing soybean production costs per bushel and providing improved strains of soybeans for producers, processors and consumers. The educational activities of the council serve to promote the adoption of improved agronomic practices.

An advisory board for the council was formed in 1950 and consists of 25 university agronomy department heads, 4 scientists from USDA, a representative from commercial soybean breeders and one representative from ASA. The advisory board serves as a liaison between the council and scientists engaged in all phases of soybean production research.

The council publishes SOYBEAN NEWS in January, April and October. The publication is designed to help increase soybean production efficiency. It is available to all interested persons on request.

Official trading rules governing the purchase and sale of soybean meal and soy oil are carried in the YEAR BOOK AND TRADING RULES of the National Soybean Processors Association. Copies of the yearbook may be obtained at $12 per copy at the association's Washington offices.

SOY PROTEIN COUNCIL

Organized: 1971
Formerly Food Protein Council
Executive Office: 1800 M St., NW, Washington, DC 20036. Ph. 202-467-6610.

OFFICERS

CHAIRMAN—Willis Clark
VICE CHAIRMAN—Robert Sullenberger
EXECUTIVE VICE PRESIDENT—Sheldon J. Hauck
EXECUTIVE COMMITTEE—Willis Clark, B. Marlo Dirks, Arlen Elliott, Ed Senska, Robert Sullenberger.
DIRECTOR OF PUBLIC AFFAIRS—Murray C. Keene
DIRECTOR OF REGULATORY AFFAIRS COMMITTEE—Dinah D. McElfresh

The Soy Protein Council is comprised of firms and corporations regularly engaged within the United States in the actual processing or sale of vegetable proteins or products containing vegetable protein products derived from agricultural sources for use and consumption in human foods.

Goals of the council are to build awareness of the established nutritional properties of commercially available vegetable proteins and to participate in the formulation of U.S. nutrition goals and policies; to assist government agencies, the scientific community, the food processing industry, and public interest groups in the better understanding of the role and utilization of vegetable proteins in the food system; and to work toward the establishment of harmonized world food regulations that maximize the economic and nutritional properties of vegetable proteins in the world food supply.

A total of 9 firms are members of the Soy Protein Council.

ONTARIO SOYA-BEAN GROWERS' MARKETING BOARD

Office: Wheels Plaza, 175 Keil Dr. S., P.O. Box 1199, Chatham, Ont. N7M 5L8, Canada.
Ph. 519-352-7730; TLX: 064-78546.

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SECRETARY MANAGER—Otis McGregor, P.O. Box 1199, Chatham, Ont.

Sixteen thousand five hundred grower members. Purpose is to control and regulate the marketing of soybeans in Ontario. The board negotiates the terms and conditions of sales with dealers and processors. The board does not conduct actual purchase and sale, though it has power to do so. The board is financed by license fees paid by each grower according to the number of tonnes of soybeans sold. At present the fee is 90 cents per tonne, of which 37 cents is designated to promotion, research and advertising.

The Ontario Soya-Bean Growers' Marketing Board provides a toll-free telephone service 24 hours a day on price offered by crushers to dealers and growers.

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Schmitthenner, A.F.; Pathologist
Streeter, J.G.; Agronomist
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615-974-7101.
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Chr., General Poultry Co., El Zawiael Hamra, Cairo, Ph. 830958.

INDIA—State Trading Corp. of India, Ltd., Chandrolok 36 Janpath, New Delhi 110001, Ph. 322204; TLX: ND 2167-68-3057; CABLE: ESTICI.

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Dir. Gen., General Co. for Vegetable Oils, P.O. Box 2379, Baghdad, Ph. 99094, TLX: 2221 (ZUYOUT IK); CABLE: SUYOUT BAGHDAD.

Asst. Dir. Gen., General Poultry Co., P.O. Box 431 Banks St., Baghdad, Ph. 89101; CABLE: MADAGEN BAGHDAD.

Dir. Gen., State Co. for Animal Feed, Fudaylia, Near Mastal Petrol Station, P.O. Box 20017, Baghdad.

JORDAN—Mgr., General Co. for Vegetable Oils, Amman, Ph. 95171.

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Bean sprouts - Yong Kyun Cho, Dir. of Trading, Agriculture and Fishery Development Corp., 65-228 Hankang-ro 3-ka, Yongsan-ku, C.P.O. Box 3212, Seoul, Ph. 794-2027; TLX: AAFDC K 23297.

Tofu - Jung Rak Kim, Pres., Korea Soybean Curd Co-op. Federation, 198-1 Kwanhoon-dong, Chongro-ku, Seoul, Ph. 725-6763, 722-1720, 725-7273.

Feed - Man Kyu Lee, Mgr. of Business, Korea Feed Assoc., 6-1 Namdaemoonro 5-ka, Chung-ku, C.P.O. Box 3473, Seoul, Ph. 777-7686; TLX: KOFEED K 22835.

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30 Rue Alain Savary, Tunis, Ph. 286628; TLX: OFIBLE 13449 PN. (Import and export of cereal products)

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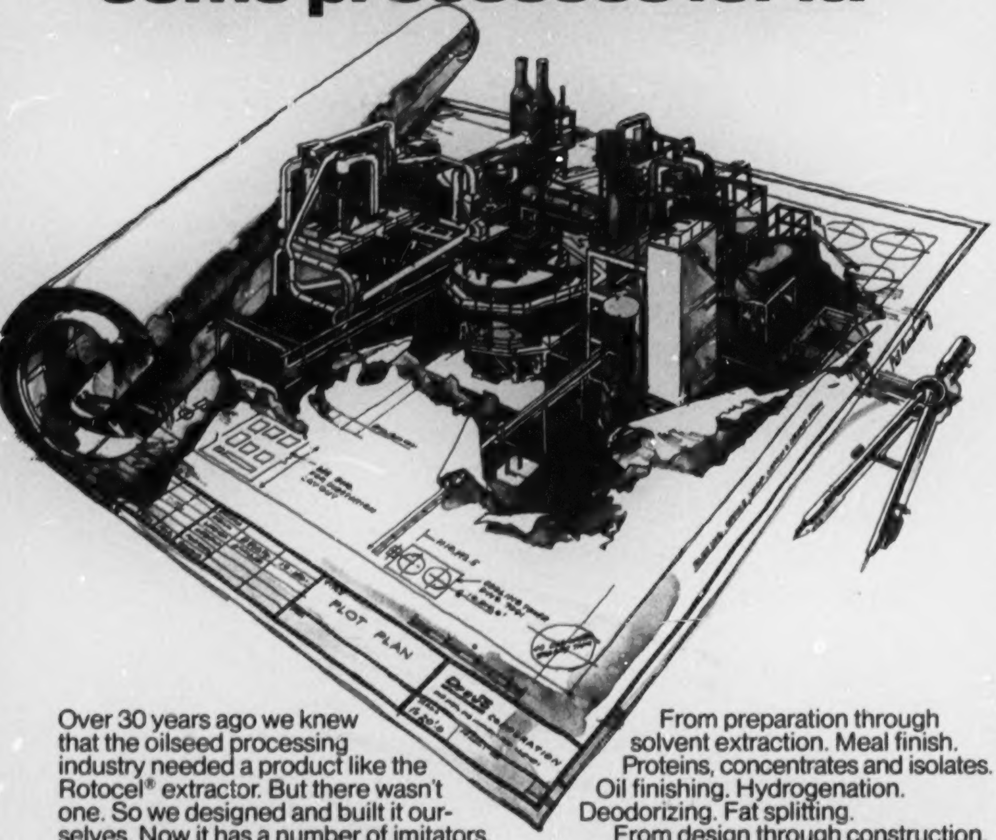

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Bunge Corporation has elevators strategically located throughout soybean country in Arkansas, Mississippi, Louisiana, Kentucky and Tennessee with district headquarters in Greenville, Mississippi, and Osceola and Pine Bluff, Arkansas.

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soy directory

The Soy Directory is a compilation of companies that process or handle soybeans worldwide. Five categories divide these firms into similar interests.

The first two sections list by location oil extraction plants/refineries. Company name and function, address, phone, telex and contact person(s) are listed first. Company function is designated by the following initials: (P) processor, (R) refiner, (SF) soyfood manufacturer (IP), industrial product manufacturer. Type of processing equipment, tons per day, processing capacity, total storage capacity and transportation service available are highlighted.

Soyfood and Industrial Product Manufacturers sections are next. Companies are listed by general product categories with the firm's products highlighted within the individual listing. The remaining section is devoted to exporters of soybeans and soybean products.

Information for these listings was obtained through questionnaires sent directly to the companies. Updated listings of non-U.S. firms responding to questionnaires are indicated by an asterisk (*). The information is as complete as possible, but the publisher of *Soya Bluebook* will not be responsible for any omissions which may have been made unavoidably. Established policy of some firms restricts information available for publication.

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u.s. oil extraction plants/refineries

ALABAMA

CONTINENTAL GRAIN CO. (P R)
Guntersville 35976, Ph. 205-582-5614; Main office: 277 Park Ave., New York, NY.
CONTACT PERSON: John Sheperd
Solvent cap. 1,000T. Degumming.

GOLD KIST SOY (P)
Box 1948, Decatur 35601, Ph. 205-350-4550.
CONTACT PERSON: W.R. Little, Complex Mgr.
Solvent cap. 2,400T.

ARIZONA

ANDERSON, CLAYTON & CO. (P)
Oilseed Processing Div., P.O. Box 2988, Phoenix 85062, Ph. 602-264-7255; Plants at: Jackson and Vicksburg, MS.
CONTACT PERSON: R.H. Henson, Meal & Oil Sales Mgr.

ARKANSAS

ARCHER DANIELS MIDLAND COMPANY (P)
Foot of E. 9th St., Little Rock 72203, Ph. 501-372-0277.
CONTACT PERSON: Duane Stroh, Plant Mgr.
Hexane solv. cap. 2,000T;Archer 44% and 48%. Served by rail.

CARGILL INC. (P)
P.O. Box 528, Osceola 72370, Ph. 501-563-5263.
CONTACT PERSON: C.L. Smith
Hexane solv. cap. 1,500T, Cargill soybean meal. Served by rail.

FARMLAND INDUSTRIES, INC. (P)
Soybean processing plant, P.O. Box 389, Van Buren 72956, Ph. 501-474-6871; TWX: 910-720-6869.
CONTACT PERSON: Larry D. Heatherington
Solvent cap. 700T, Storage cap. 1,000,000 bu. High Protein soybean meal. Served by truck and rail.

RICELAND FOODS (P R SF IP)
Helena 72342; Main office: 2120 S. Park Ave., Stuttgart, AR.
CONTACT PERSON: W.E. Higginbothom, Mgr.
Solvent cap. 1,500T, 44% and 49% soybean meal. Refining, degumming and deodorizing. Served by rail.

RICELAND FOODS (P R SF IP)
2120 S. Park Ave., Stuttgart 72160, Ph. 501-673-5500; Cable: Arkango; TWX: 910-720-6240.
CONTACT PERSON: Giles Colbert, Plant Mgr.
Solvent cap. 2,000T, 44% and 49% soybean meal. Refining, degumming and deodorizing. Served by rail.

SOUTHERN COTTON OIL CO. (P)
Div. of ADM, Cottonseed and Soybean Plant, 324 Buckeye St., North Little Rock 72119, Ph. 501-945-1414.
CONTACT PERSON: John Adams
Solvent cap. 200T.

CALIFORNIA

ANDERSON, CLAYTON FOODS (R)
P.O. Box 10051, Fresno 93745, Ph. 209-233-5786.
CONTACT PERSON: Tom Bostic, Mgr.

BEST FOODS DIV. CPC INTERNATIONAL INC. (R)
San Francisco 94110; Main office: Englewood Cliffs, NJ.
CONTACT PERSON: C.A. Craven, Mgr. Ref. Oil Sales
Fully refined and hydrogenated oil.

HUMKO PRODUCTS, KRAFT INC. (R)
Buena Park 90622, Ph. 714-523-0370; Main office: Whitestation Towers, P.O. Box 398, Memphis, TN.
Refine and deodorize cottonseed, soybean, peanut and other vegetable oils.

HUNT-WESSON FOODS INC. (R SF)
1645 W. Valencia Dr., Fullerton 92634.
Refining and deodorizing.

LEVER BROS. CO. (R)
6300 E. Sheila St., Los Angeles 90022.
Refining and deodorizing. Served by truck and rail.

LIBERTY VEGETABLE OIL CO. (P R)
P.O. Box L, Norwalk 90650, Ph. (Norwalk) 213-921-3567, (Los Angeles) 213-773-2092; TLX: 691-608.
CONTACT PERSON: C.W. Adams, VP
8 continuous press cap. 120T, storage cap. 300,000 bu. Refining, bleaching, deodorizing and winterizing. Served by rail.

PVO INTERNATIONAL INC. (P R)
1145 Harbour Way South, Richmond 94804, Ph. 415-529-1020; Main office: San Francisco, CA.
CONTACT PERSON: Richard Schneider, Plant Mgr.
Hexane solv., cap. 300T, storage cap. 500,000 bu. PVO soybean meal, refining. Served by rail.

PVO INTERNATIONAL INC. (P R)
World Trade Center, No. 130, San Francisco 94111, Ph. 415-362-0990; Plant at: Richmond, CA.
CONTACT PERSON: Bruce Fletcher, Meal Mgr.
Manufacturing refiner.

PROCTER & GAMBLE MFG. CO. (R)
P.O. Box 440, Long Beach 90801.

DELAWARE

TOWNSEND'S INC. (P)
Millsboro 19966, Ph. 302-934-9221.
CONTACT PERSON: George A. Adkins, VP
Hexane solv., cap. 1,000T, storage cap. 7,280,000 bu. TOWNSEND'S INC. soybean meal, mixed feeds and pellets.

GEORGIA

ARCHER DANIELS MIDLAND CO. (P)
P.O. Box 729, Augusta 30903, Ph. 404-722-8866.
CONTACT PERSON: Gene Smith, Plant Mgr.
Hexane solv. cap. 420T, Archer 44% and 48% soybean meal. Served by rail.

CARGILL INC. (P R)
P.O. Box 1298, 949 Ridge Rd., Gainsville 30501, Ph. 404-535-3100; Main office: Minneapolis, MN.
CONTACT PERSON: Edgar T. Savidge
Solvent cap. 1,500T, CARGILL soybean meal. Refined edible and hydrogenated oils. Served by rail.

GOLD KIST INC. (P)
Box 2210, Atlanta 30301, Ph. 404-393-5050; TLX: 54-2338 & 70-8404.
CONTACT PERSON: Donald Price or C. Nash Lindsey, Div. Mgrs.

GOLD KIST SOY (P)
Box 1589, Valdosta 31601, Ph. 912-242-0100.
CONTACT PERSON: G. Marshall Smitherman, Div. Mgr.
Solvent cap. 2,000T/day, storage cap. 6.3 million bu., soybean meal, crude and crude degummed oil.

HUNT-WESSON FOODS INC. (R SF)
P.O. Box 247, Savannah 31402.
Refining and deodorizing.

PROCTER & GAMBLE MFG. CO. (R)
P.O. Box 9, Macon 31202.

ILLINOIS

ANDERSON CLAYTON FOODS (R)
P.O. Box 368, Jacksonville 62650, Ph. 217-245-4134.
CONTACT PERSON: Ray Scott, Mgr.

ARCHER DANIELS MIDLAND CO. (P R SF IP)
4666 Faries Pkwy., Decatur 62526, Ph. 217-424-5200; Plants at: Augusta, GA; Decatur, Galesburg and Granite City, IL; Mankato and Red Wing, MN; Fredonia, KS; North Kansas City, MO; Lincoln and Fremont, NE; Kershaw, SC.
CONTACT PERSON: Harry Ground, Plant Mgr.
Hexane solv. cap. 4,200T, ARCHER 44%, 48%, 49% and 50% soybean meal; soybean meal pellets; mixed feed; crude, crude degummed, once refined, fully refined and hydrogenated oil; defatted, low-fat soy flour, soy concentrate, TVP; ARCHER soy cooking and salad oil; deodorizing and winterizing. Served by truck, rail and barge.

ARCHER DANIELS MIDLAND CO. (P)
1021 S. Henderson St., Galesburg 61401, Ph. 309-343-1155; Main office: Decatur, IL.
CONTACT PERSON: John Hansen, Plant Mgr.
Cap. 1,000T. Served by rail.

ARCHER DANIELS MIDLAND CO. (P)
P.O. Box 1249, Granite City 62040, Ph. 618-451-2200.
CONTACT PERSON: Wes Weber, Plant Mgr.
Hexane solv. cap. 1,400T, Archer 44% and 49%, soybean meal pellets. Served by rail.

BEST FOODS DIV. CPC INTERNATIONAL INC. (R)
Chicago 60623, Main office: Englewood Cliffs, NJ.
CONTACT PERSON: C.A. Craven, Mgr. Ref. Oil
Fully refined and hydrogenated oil.

BUNGE CORP. (P)
P.O. Box 113, Cairo 62914, Ph. 618-734-4141.
CONTACT PERSON: Pat Reisner, Plant Mgr.
Cap. 2,000T, soybean meal, crude and crude degummed oil. Served by truck and rail.

BUNGE EDIBLE OIL CO. (R)
P.O. Box 765, Kankakee (Bradley) 60901, Ph. 815-933-0600.
CONTACT PERSON: Jack Brady, VP
Refining, hydrogenation and deodorizing.

CARGILL INC. (P R)
1660 LaSalle Bank Bldg., Chicago 60603, Ph. 312-855-2914; Refinery at: 122 St. and Torrence Ave., Chicago 60617, Ph. 312-375-6323; Main office: Minneapolis, MN.
CONTACT PERSON: Al Tennessen
Hexane solv. cap. 1,000T, Cargill soybean meal, refined edible and industrial oils. Served by rail.

CENTRAL SOYA (P R SF IP)
Rt. 47 & 9, Box 112, Gibson City 60936, Ph. 217-784-8261; Main office: Fort Wayne, IN.
CONTACT PERSON: George R. Walter
Solvent cap. 1,200T, soybean meal; CENTROL lecithin and degummed soy oil; PROMOSOY, an edible soy concentrate; Response, textured soy

concentrate; CENTEX, textured soy flour. Edible and industrial grades of soy flour.

CONTINENTAL GRAIN CO. (P R)
Taylorville 62568, Ph. 217-824-3385; Main office: New York, NY.
CONTACT PERSON: N. Kimpel
Cap. 2,400T. Degumming.

DURKEE FOODS DIV., SCM CORP. (R)
P.O. Box 796, Joliet 60434, Ph. 815-423-5511.
CONTACT PERSON: Leonard S. Milazzo, VP Mfg./Eng.
Crude, crude degummed, once refined, fully refined, hydrogenated and fractionated oil; cooking/salad oil. Served by truck, rail and barge.

HUMKO PRODUCTS, KRAFT, INC. (R)
Champaign 61823, Ph. 217-356-7213; Main office: Memphis, TN.
Refining and deodorizing cottonseed, soybean, peanut and other vegetable oils.

HUNT-WESSON FOODS INC. (R SF)
4421 W. 31st St., Chicago 60623.
Refining and deodorizing.

LAUHOFF GRAIN CO. (P)
Danville 61832, Ph. 217-446-4770.
CONTACT PERSON: Marvin Woods
Hexane solv. cap. 2,000T. Served by truck and rail.

PROCTER & GAMBLE MFG. CO. (R)
1232 W. North Ave., Chicago 60622.

QUINCY SOYBEAN CO. (P)
1900 Gardner Expwy., P.O. Box 329, Quincy 62306, Ph. 217-224-1800.
CONTACT PERSON: Dick Ellerman, Plant Mgr.
Solvent cap. 3,000T, QUINCY 44% and 48% soybean meal and pellets. Served by rail.

RALSTON PURINA CO. (P)
Bloomington 61702, Ph. 309-829-1261; Main office: St. Louis, MO.
CONTACT PERSON: D.E. Cordes, Plant Mgr.
Hexane solv. cap. 1,200T, PURINA CHOWS mixed feeds. Served by rail.

J.R. SHORT MILLING CO. (P)
Route 3, Grinnell Rd., Kankakee 60901; Main office: Sears Tower, 233 S. Wacker Dr., Chicago, IL 60606, Ph. 312-876-7070; TWX: 910-632-1459.
CONTACT PERSON: William Hoffman, VP
Storage cap. 1,000,000 bu., soy flour for own use. Served by rail.

A.E. STALEY MFG. CO. (P)
P.O. Box 68, Champaign 61823; Main office: Decatur, IL.
CONTACT PERSON: M.J. Kerber, Plant Mgr., or I.G. Boren, Plant Supt.
Solvent cap. 2,100T, STALEY's soybean meal 44% and 49% protein, STALEY's soybean mill run. Served by truck and rail.

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A.E. STALEY MFG. CO. (P R SF IP)
22nd & Eldorado Sts., Decatur 62525, Ph. 217-434-4411.
CONTACT PERSON: D.D. Houghton, Mgr.
Hexane solv. cap. 2,500T, STALEY's soybean meal 44% and 49% protein, HI PROCON 50% protein soybean meal, STALEY's soybean mill run, extracted soy flour and grits. Refining, bleaching, hydrogenation and deodorizing. Served by truck and rail.

INDIANA

ANGOLA SOYA CO. (P)
424 N. Williams St., P.O. Box 358, Angola 46703, Ph. 219-665-2011.
CONTACT PERSON: Reginald Hale, owner
Hexane solv. cap. 5T, storage cap. 1,400 bu., soybean meal, extractions of various specialty items. Served by rail.

BUNGE CORP. (P)
R.R. 2, P.O. Box 113, Logansport 46947, Ph. 219-722-3030.
CONTACT PERSON: Tom Pfendler, Plant Mgr.
Solvent cap. 1,500T. Soybean meal, crude and crude degummed oil. Served by truck and rail.

CENTRAL SOYA (P R)
1200 N. Second St., Decatur 46733, Ph. 219-724-2101; TLX: 27-61-70 CENSOYA FWA A; Sales office: Fort Wayne, IN.
CONTACT PERSON: Larry Justice
Solvent cap. 2,400T. Soybean meal, CENTROL lecithin, refined industrial soy oil, refined edible soybean, corn and palm oils, packaged vegetable shortening.

CENTRAL SOYA (P R SF IP)
1300 Fort Wayne National Bank Bldg., P.O. Box 1400, Fort Wayne 46801-1400, Ph. 219-425-5100; TLX: 232410; Plants at: Decatur and Indianapolis, IN; Gibson City, IL; Belmond, IA; Marion, Delphos and Bellevue, OH; Chattanooga, TN; and Utrecht, Netherlands.
CONTACT PERSON: J.B. Palmer, Jr.
Processor of soybeans, producer of refined soy proteins, vegetable oil refiner, grain merchandiser, feed manufacturer, consumer food service and industrial foods processor, soybean meal, natural modified and oil-free grades of lecithin, soy flours, soy grits, CENTEX-textured soy flours, refined industrial soy oils, refined edible soy, corn and palm oils for cooking and salad oil, margarine and shortening, packaged vegetable shortenings.

CENTRAL SOYA (P)
1160 W. 18th St., Indianapolis 46244, Ph. 317-632-8441; Main office: Ft. Wayne, IN.
CONTACT PERSON: Charles Garing
Cap. 1,200T, soybean meal, crude degummed soybean oil, CENTROL lecithin.

RALSTON PURINA CO. (P)
Lafayette 47902, Ph. 317-423-1511; Main office: St. Louis, MO.
CONTACT PERSON: J.R. Bill, Plant Mgr.
Hexane solv. cap. 600T, PURINA CHOWS mixed feeds. Served by rail.

A.E. STALEY MFG. CO. (P)
Frankfort 46041; Main office: Decatur, IL.
CONTACT PERSON: W.H. Camp, Plant Mgr.
Solvent cap. 1,200T, STALEY's soybean meal 44% and 49% protein, STALEY's soybean mill run. Served by truck and rail.

IOWA

AMERICAN GRAIN AND RELATED INDUSTRIES (P)
Manning 51455, Ph. 712-653-3985.

AMERICAN GRAIN AND RELATED INDUSTRIES (P)
Soybean Processing Div., 1605 19th St. SW, Mason City 50401, Ph. 515-423-4733.
Hexane solv. cap. 1,000T, storage cap. 1,050,000 bu., North Iowa soybean meal and crude oil. Served by rail.

BOONE VALLEY CO-OP PROCESSING ASSN. (P)
Eagle Grove 50533, Ph. 515-448-4711.
CONTACT PERSON: Keith M. Voigt, Pres.
Hexane solv., cap. 4,200T, storage cap. 3,400,000 bu., Co-op soybean meal, mixed feeds pellets, crude and crude degummed oil. Served by rail and truck.

CARGILL INC. (P)
411 6th St. NE, Cedar Rapids 52406, Ph. 319-364-4121.
CONTACT PERSON: Robert Carlson
Hexane solv. cap. 2,300T, CARGILL soybean meal. Served by rail.

CARGILL INC. (P SF)
1010 10th Ave. SW, Cedar Rapids 52406, Ph. 319-366-8381; Main office: Minneapolis, MN.
CONTACT PERSON: Tony Cahill
Hexane solv., CARGILL soybean meal and soy proteins. Served by rail.

CARGILL INC. (P R)
3030 SE Granger, Des Moines 50306, Ph. 515-263-3115.
CONTACT PERSON: George Henni
Solvent cap. 1,700T, 44% and 50% soybean meal, refined edible and industrial vegetable oils. Served by rail.

CARGILL INC. (P)
980 Clark St., Sioux City 51102, Ph. 712-258-0174; Main office: Minneapolis, MN.
CONTACT PERSON: Douglas Debelak
Hexane solv. cap. 1,400T, CARGILL soybean meal and pellets. Served by rail.

CARGILL INC. (P)
N. 15th Ave. & 3rd St., Washington 52353, Ph. 319-653-2196; Main office: Minneapolis, MN.
CONTACT PERSON: Bill Matson
Hexane solv. cap. 490T, CARGILL soybean meal and pellets. Served by rail.

CENTRAL SOYA (P)
Hwy. 69 S, P.O. Box 9, Belmond 50421, Ph. 515-444-3236; Main office: Fort Wayne, IN.
CONTACT PERSON: Ken Oltman
Solvent cap. 600T, soybean meal, CENTROL lecithin, crude degummed soybean oil.

FARMLAND INDUSTRIES (P)
P.O. Box 200, Sergeant Bluff 51054, Ph. 712-943-4282; TWX: 910-968-1757; Main office: 3315 N Oak Trafficway, Kansas City, MO 64116.
CONTACT PERSON: Charles McCauley, Gen. Mgr.
Solvent cap. 2,200T, storage cap. 3,250,000 bu., co-op 44% and 48½% soybean meal, also mixed feeds, crude and crude degummed oil. Served by truck, rail and barge.

LAND O'LAKES INC. (P)
5 Central Ave., Fort Dodge 50501, Ph. 515-573-8111; Main office: Minneapolis, MN.
CONTACT PERSON: George Cox, Plant Mgr.
Hexane solv. cap. 600T, storage cap. 1,200,000 bu. Served by truck and rail.

LAND O'LAKES INC. (P)
Box 220, Sheldon 51201, Ph. 712-324-2531; Main office: Minneapolis, MN.
CONTACT PERSON: Oscar Benson
Solvent cap. 1,000 T, storage cap. 1,500,000 bu. Served by truck and rail.

RALSTON PURINA CO. (P)
Iowa Falls 50126, Ph. 515-648-2591; Main office: St. Louis, MO.
CONTACT PERSON: T.L. Williams, Plant Mgr.
Hexane solv., PURINA CHOWS mixed feeds. Served by rail.

A.E. STALEY MFG. CO. (P)
Drawer C,E, 14th St. Sta., Des Moines 50316; Main office: Decatur, IL.
CONTACT PERSON: P.L. Niehaus, Plant Mgr.
STALEY's soybean meal 44% and 49% protein, STALEY's soybean mill run. Served by truck and rail.

WEST BEND ELEVATOR CO. (P)
West Bend 50597, Ph. 515-887-7211.
CONTACT PERSON: Fred McKim, Gen. Mgr.
3 continuous press cap. 39T, storage cap. 2,700,000 bu. OLD PROCESS soybean meal and mixed feeds. Served by rail.

WEST CENTRAL COOP. (P)
Ralston 51459, Ph. 712-667-3200.
CONTACT PERSON: Wayne Seaman, Plant Mgr.
4 continuous pr., cap. 60T, storage cap. 6,500,000 bu., WESENCO soybean meal, mixed feeds and pellets. Served by rail.

KANSAS

ARCHER DANIELS MIDLAND CO. (P)
P.O. Box 191, Fredonia 66736, Ph. 316-378-2102.
CONTACT PERSON: Bob Miller, Plant Mgr.
Hexane solv. cap. 1,000T, ARCHER 44% and 49% soybean meal. Served by rail.

BUNGE CORP. (P)
E. 5th Ave., P.O. Box 518, Emporia 66801, Ph. 316-342-7270.
CONTACT PERSON: Jack Thiessen
Solvent cap. 1,000T, soybean meal, crude and crude degummed oil. Served by truck and rail.

CARGILL INC. (P)
1501 N. Mosley, Wichita 67214, Ph.316-267-8800.
CONTACT PERSON: George Landsverk
Solvent cap. 1,500T, 44% and 50% soybean meal and pellets. Served by rail.

PRODUCERS COOPERATIVE ASSN. (P)
Box 265, Girard 66743, Ph. 316-724-8241.
CONTACT PERSON: C.W. Scammell, Mgr.
2 continuous pr., cap. 50T, storage cap. 1,000,000 bu., PRODUCERS 41% soybean meal, PRODUCERS and CO-OP OPEN FORMULA mixed feeds and pellets; crude oil. Served by truck and rail.

KENTUCKY

OWENSBORO GRAIN CO. (P)
Owensboro 42301, Ph. 502-926-2032.
CONTACT PERSON: Pat Condor, Treas.
Solvent cap. 1,000T, storage cap. 3,000,000 bu., Ograco 44% and 49% solv. soybean meal.

RALSTON PURINA CO. (P)
Soybean Div., Louisville 40217, Ph. 502-637-4761.
CONTACT PERSON: S.L. Colthurst, Plant Mgr.
Solvent cap. 1,200T.

LOUISIANA

BUNGE CORP. (P)
Destrehan 70047, Ph. 504-721-6291; Main office: One Chase Manhattan Plaza, New York, NY 10005.
CONTACT PERSON: Frank Miller, Plant Mgr.
Solvent cap. 1,400T, soybean meal, crude and crude degummed oil. Served by truck and rail.

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For more information contact Cargill Soybean Processing, Box 9300, Minneapolis, MN 55440. 612/475-6102.

CARGILL

SOYBEAN PROCESSING

LOU ANA FOODS INC. (R)
P.O. Box 591, Opelousas 70570, Ph. 318-948-6561; TLX 58-6645 (LAF OPLS); Plant at: 731 N. Railroad Ave.
CONTACT PERSON: James W. Boswell, VP
Refining, bleaching, deodorizing and winterizing, bulk, institutional and retail sizes; LOU ANA, PERFECTO and MERMAID cooking/salad oil. Served by truck and rail.

MARYLAND

PERDUE INC. (P)
P.O. Box 1537, Salisbury 21801, Ph. 301-742-7161.
CONTACT PERSON: Sewell L. Spedden, Sr. VP
Solvent cap. 600T, storage cap. 5,000,000 bu., soybean meal, crude oil. Served by truck, rail and barge.

MINNESOTA

ARCHER DANIELS MIDLAND CO. (P)
P.O. Box 728, Mankato 56001, Ph. 507-625-7947.
CONTACT PERSON: Leigh Paulsen, Plant Mgr.
Hexane solv. cap. 3,500T, ARCHER 44% and 48% soybean meal. Served by rail.

ARCHER DANIELS MIDLAND CO. (P)
118 Main St., Red Wing, 55066, Ph. 612-388-7111.
CONTACT PERSON: Richard Germchied
Solvent cap. 450T, ARCHER 44% soybean meal. Served by rail.

CARGILL INC. (P SF IP)
P.O. Box 9300, Minneapolis 55440; Plants at: Osceola, AR; Gainesville, GA; Chicago, IL; Cedar Rapids, Des Moines, Redfield, Sioux City and Washington, IA; Wichita, KS; Savage, MN; Fayetteville, NC; Sidney, OH; Hartsville, SC; Memphis, TN, and Norfolk, VA.
CONTACT PERSON: D.H. Leavenworth

CARGILL INC. (P)
Savage 55378, Ph. 612-894-3190; Main office: Minneapolis, MN.
CONTACT PERSON: Tom Charette
Hexane solv. cap. 1,000T, CARGILL soybean meal. Served by rail.

HONEYMEAD PRODUCTS CO. (P R SF IP)
P.O. Box 3247, Mankato 56001, Ph. 507-625-7911; Plant at: Fridley, MN.
CONTACT PERSON: L.K. Rasmussen, Gen. Mgr.
Hexane solv. cap. 2,400T, storage cap. 3,000,000 bu., Honeymead soybean meal, refining, deodorizing and hydrogenating. Served by rail.

LAND O'LAKES SOYBEAN DIVISION (P)
Dawson 56232, Ph. 612-769-4386; TLX: 290838.
CONTACT PERSON: H.G. Jordheim, Gen. Mgr.
Hexane solv., cap. 1,500T, storage cap. 3,000,000 bu., DAWSON soybean meal. Served by rail.

SPENCER KELLOGG DIV. TEXTRON INC. (R)
Minneapolis 55414; Main office: Buffalo, NY, Ph. 716-852-5850.
CONTACT PERSON: Richard E. Punnett, Mgr. Commodity Prod.
Once refined and fully refined oil. Served by truck and rail.

MISSISSIPPI

ANDERSON, CLAYTON & CO. (P)
Oilseed Processing Div., P.O. Box 1410, Jackson 39205, Ph. 601-948-5880; Main office: Phoenix, AZ.
CONTACT PERSON: Jim Brady, Plant Mgr.
Solvent cap. 400T, PAYMASTER 44% and 48½% protein soybean meal, soybean mill run. Served by rail.

ANDERSON, CLAYTON & CO. (P)
Oilseed Processing Div., P.O. Box 1378, Vicksburg 39180, Ph. 601-638-3824; Main office: Phoenix, AZ.
CONTACT PERSON: Noel M. Jackson, Supt.
Solvent cap. 700T, PAYMASTER 44% protein meal, soybean mill run. Served by rail.

BUNGE CORP. (P)
520 Cherry St., Marks 38646, Ph. 601-326-2411.
CONTACT PERSON: Dick Farmer, District Mgr.
Solvent cap. 1,500T, soybean meal, crude and crude degummed oil. Served by truck and rail.

SOUTHERN COTTON OIL CO. (P)
Div. of ADM, Cottonseed and Soybean Plant, Fourth Street Extended, Clarksdale 38614, Ph. 601-624-2571.
CONTACT PERSON: James Payne
Solvent cap. 900T.

YAZOO VALLEY-MINTER CITY OIL MILL INC. (P)
P.O. Box 1320, Greenwood 38930, Ph. 601-453-4312.
CONTACT PERSON: T.S. Shuler, Gen. Mgr.
Plant solv. cap. 600T, 44% soybean meal. Served by rail.

MISSOURI

ARCHER DANIELS MIDLAND CO. (P)
200 W. 19th Ave., N. Kansas City 64116, Ph. 816-221-2117.
CONTACT PERSON: Terry Gunter
Solvent ext. cap. 1,500T, ARCHER 44% and 47% soybean meal. Served by rail.

FARMLAND INDUSTRIES (P R SF)
P.O. Box 427, St. Joseph 64502, Ph. 816-233-6161; TWX 910-777-7189; Main office: 3315 N. Oak Trafficway, Kansas City 64116.
CONTACT PERSON: Ed Stigall, Mgr. Soybean Meal & Oil Sales
Hexane solv. cap 1,500T, Co-op 44% and 47½% soybean meal, soybean flour and grits, degumming. Served by rail.

M.F.A. GRAIN MARKETING DIV. (P)
Div. Missouri Farmers Assn. Inc., Mexico 65265, Ph. 314-581-4195; TWX: 910-760-1527.
CONTACT PERSON: Kermit F. Head, Gen. Mgr.
Solvent cap. 1,500T, storage cap. 3,100,000 bu., MFA 44% and 49% soybean meal, soybean mill run and soy lecithin, degumming, crude oil, crude degummed oil. Served by truck, rail and barge.

PVO INTERNATIONAL INC. (R SF)
3400 North Wharf St., St. Louis 63147, Ph. 314-622-0200.
CONTACT PERSON: Donald Black, VP & Gen. Mgr.
Refining and deodorizing.

RALSTON PURINA CO. (P)
2334 Rochester Ave., Kansas City 64120, Ph. 816-483-9888; Main office: St. Louis, MO.
CONTACT PERSON: R.K. Zimmerman, Plant Mgr.
Cap. 1,500T, PURINA CHOWS mixed feeds.

RALSTON PURINA CO. (P SF IP)
Checkerboard Square, St. Louis 63188; Plants at: Lafayette, IN; Bloomington, IL; Iowa Falls, IA; Kansas City, MO; Memphis, TN; Louisville, KY, and Raleigh, NC.
CONTACT PERSON: A.I. Gleason, Oil Sales Mgr., or W.W. Sims, Meal Sales Mgr.
PURINA CHOWS mixed feeds.

NEBRASKA

ARCHER DANIELS MIDLAND CO. (P)
130 N. Broad, Fremont 68025, Ph. 402-721-5670.
CONTACT PERSON: Larry Letterman, Mgr.
Hexane solv. cap. 2,400T, ARCHER 44%. Served by rail.

ARCHER DANIELS MIDLAND CO. (P R)
P.O. Box 29268, Havelock Sta., Lincoln 68529, Ph. 402-464-9131.
CONTACT PERSON: Jim Yeates, Plant Mgr.
Hexane solv. cap. 1,500T, ARCHER 44% and 47% soybean meal, refining, hardening, degumming and deodorizing.

GRAIN STATES SOYA INC. (P)
P.O. Box 157, West Point 68788, Ph. 402-372-2429.
CONTACT PERSON: Mark Knobbe, Mgr.
4 French continuous pr. cap. 85T, storage cap. 152,000 bu., 41% old process soybean meal, custom mixed feeds, crude oil and pellets. Served by truck and rail.

NEW JERSEY

BEST FOODS DIV.
CPC INTERNATIONAL INC. (R)
Bayonne 07002.
CONTACT PERSON: C.A. Craven, Mgr. Ref. Oil Sales
Fully refined and hydrogenated oil.

BEST FOODS DIV.
CPC INTERNATIONAL INC. (R SF)
International Plaza, Englewood Cliffs 07632, Ph. 201-894-4000; Plants at: Bayonne, NJ; Chicago, IL; San Francisco and Sante Fe Springs, CA.
CONTACT PERSON: C.A. Craven, Mgr. Ref. Oil Sales
Fully refined and hydrogenated oil.

HUNT-WESSON FOODS INC. (R SF)
160 E. 22nd St., Bayonne 07002.
Refining and deodorizing.

NEW YORK

LEVER BROTHERS CO. (R SF)
390 Park Ave., New York 10022; Plant at: Los Angeles, CA.
CONTACT PERSON: David W. Melendy, Mgr.
Refining and deodorizing. Served by truck and rail.

SPENCER KELLOG DIV.
TEXTRON INC. (R IP)
Buffalo 14240, Ph. 716-852-5850; Plant at: Minneapolis, MN.
CONTACT PERSON: Richard E. Punnett, Mgr. Commodity Prod.
Once refined and fully refined oil. Served by truck and rail.

NORTH CAROLINA

CARGILL INC. (P R)
P.O. Box 2309, Fayetteville 28302, Ph. 919-483-4631; Main office: Minneapolis, MN.
CONTACT PERSON: Bill Lowe
Solvent cap. 1,500T, 44% and 50% soybean meal, refined, edible, industrial, and crude soy oil. Served by rail.

GURLEY'S INC. (P)
404 E. Preston St., P.O. Box 388, Selma 27576, Ph. 919-965-2302; 800-672-8131; 800-334-9631.
CONTACT PERSON: R.G. Gurley, Pres.
Crown and Anderson ext., solvent cap. 300T, storage cap. 950,000 bu., GURLEY'S 44% soybean meal, 47% HY PROTENE soybean meal. Served by rail.

PERDUE, INC. (P)
Cofield 27922, Ph. 919-358-0311.
CONTACT PERSON: Sewell Spedden, Sr. VP
Solvent cap. 450T, storage cap. 750,000 bu., soybean meal and crude oil. Served by truck, rail and barge.

PLANTERS OIL MILL INC. (P)
P.O. Drawer 2507, Rocky Mount 27801, Ph. 919-442-0193.
CONTACT PERSON: Dave Mitkos, Plant Supt.
Solvent cap. 300T, storage cap. 650,000 bu., Planters soybean meal. Served by rail.

RALSTON PURINA CO. (P)
Raleigh 27601, Ph. 919-828-4491.
CONTACT PERSON: D.T. Fink, Plant Mgr.
Solvent cap. 1,500T.

OHIO

CARGILL INC. (P)
2400 Industrial Blvd., Sidney 45365, Ph. 513-498-4551.
CONTACT PERSON: Cornelius Boersma
Hexane solv. cap. 1,500T, CARGILL soybean meal. Served by rail.

CENTRAL SOYA (P R)
P.O. Box 369, 605 Goodrich Rd., Bellevue 44811, Ph. 419-483-5340; Sales office: Fort Wayne, IN, Ph. 219-425-5373; TLX: 27-61-70 CENSOYA FWA A.
CONTACT PERSON: Leonard Morrison
Solvent cap. 1,140T, soybean meal, CENTROL and CENTROLEX lecithins, crude degummed soy oil and refined industrial soy oils.

CENTRAL SOYA (P R)
234 So. Jefferson St., P.O. Box 231, Delphos 45833, Ph. 419-692-6010.
CONTACT PERSON: Charles Janiszewski, Mgr.
Solvent cap. 1,000T.

CENTRAL SOYA (P R)
751 E. Farming St., Marion 43302, Ph. 614-383-1181.
CONTACT PERSON: Robert H. Prescott
Solvent cap. 600T.

DURKEE FOODS DIV., SCM CORP. (R SF)
900 Union Commerce Bldg., Cleveland 44115, Ph. 216-344-8000. Operations conducted through Durkee Famous Foods Industrial Foods Group; Plants at: Joliet, IL.
CONTACT PERSON: Leonard S. Milazzo, VP Mfg./Eng.
Crude, crude degummed, once refined, fully refined, hydrogenated and fractionated oil; cooking/salad oil. Served by truck, rail and barge.

INDUSTRIAL PRODUCTS GROUP, STOKELY VAN CAMP INC. (R SF IP)
525 W. 1st Ave., P.O. Box 569, Columbus 43216, Ph. 614-299-3131; TLX: 245-494.
CONTACT PERSON: C.V. Gridley, VP
Once refined and fully refined oil, hydrogenated and fractionated oil. Served by truck and rail.

PROCTER & GAMBLE CO. (R SF IP)
P.O. Box 599, Cincinnati 45201; Refinery at: 5201 Spring Grove Ave., Ivorydale, Cincinnati 45217.

A.E. STALEY MFG. CO. (P)
Fostoria 44830; Main office: Decatur, IL.
CONTACT PERSON: J.D. Crawford, Plant Mgr.
Solvent cap. 675T, STALEY'S soybean meal 44% and 49% protein; STALEY'S soybean mill run. Served by truck and rail.

OKLAHOMA

COLE GRAIN CO. (P)
919 S. Cherokee, P.O. Box 1289, Muskogee 74401, Ph. 918-687-7565.
CONTACT PERSON: J.D. Cole, Pres., or Don Cole, VP
2 continuous pr. cap. 70T, storage cap. 400,000 bu. COLE FEEDS soybean meal, mixed feeds, alfalfa pellets and crude oil. Approx. soybean operations 10,000 to 12,000T. Served by rail.

PRODUCERS COOPERATIVE OIL MILL (P)
P.O. Box 26907, Oklahoma City 73126, Ph. 405-232-7555.
CONTACT PERSON: T.W. Detamore, Gen. Mgr.
Crown solv., cap. 500T, storage cap. 800,000 bu. Pellets. Served by rail.

WILSON FOODS CORPORATION (R)
Lincoln Plaza, 4545 N. Lincoln, Oklahoma City 73105, Ph. 405-525-4545; TLX: 747-249.

PENNSYLVANIA

C.F. SIMONIN'S SONS INC. (R SF)
Tioga & Belgrade St., Philadelphia 19134, Ph. 215-426-2300.
CONTACT PERSON: W.J. Lewis, Exec. VP
Refining and deodorizing. Served by truck, rail and snip.

SOUTH CAROLINA

ARCHER DANIELS MIDLAND CO. (P)
427 N. Hampton, Kershaw 29067, Ph. 803-475-3751.
CONTACT PERSON: Roger Cauthens, Plant Mgr.
Hexane solv., cap. 840T, ARCHER 44% and 48% soybean meal. Served by rail.

CARGILL INC. (P R)
P.O. Box 878, Hartsville 29550, Ph. 803-332-1571.
CONTACT PERSON: Harry Bryant

CONTINENTAL GRAIN CO. (P)
Cameron 29030, Ph. 803-823-2211; Main office: New York, NY.
CONTACT PERSON: William H. Yochum, Jr.
Solvent cap. 700T.

It's well known that Continental Grain Company is one of America's largest exporters of agricultural commodities.

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Continental Grain

Our market is the world but our home is America.

HARTSVILLE OIL MILL (P)
Box 490, Hartsville 29550, Ph. 803-332-1571.
CONTACT PERSON: J.J. Lawton, VP
Cap. 1,000T, vegetable oils and meals.

SOUTHERN SOYA CORP. (P)
P.O. Box 727, Estill 29918, Ph. 803-625-2711.
CONTACT PERSON: J.W. Tyler or R.P. Padgett, Mgrs.
French solv., cap. 350T, storage cap. 2,500,000 bu., 44% and 49% soybean meal and crude oil. Soybean operations 3,500,000 bu. Served by truck and rail.

TENNESSEE

BUNGE EDIBLE OIL CO. (R)
P.O. Box 2309, Chattanooga 37409, Ph. 615-821-3511; Main office: Kankakee (Bradley), IL.
CONTACT PERSON: Lennis Martin
Refining, hydrogenating and deodorizing.

CARGILL INC. (P)
P.O. Box 1838, Memphis 38101, Ph. 901-775-3700.
CONTACT PERSON: Robert W. Drake
Hexane solv., cap. 3,000T, CARGILL soybean meal. Served by rail.

CENTRAL SOYA (P R)
Judd Rd., P.O. Box 5067, Chattanooga 37406, Ph. 615-629-7341; Main office: Fort Wayne, IN.
CONTACT PERSON: Larry Horn
Solvent cap. 2,400T, soybean meal, CENTROL lecithin, crude soy oil, refined industrial and edible vegetable oils.

HUMKO PRODUCTS, KRAFT INC. (R)
Whitestation Towers, P.O. Box 398, Memphis 38101, Ph. 901-766-2100.
CONTACT PERSON: M.D. Fondren
Refining and deodorizing of cottonseed, soy, peanut and other vegetable oils.

HUNT-WESSON FOODS INC. (R SF)
P.O. Box 1759, Memphis 38102.
Refining and deodorizing.

NASHVILLE OIL MILL CORP. (P)
410 Chestnut St., Nashville 37202.
CONTACT PERSON: Douglas Rainwater, VP
Blaw-Knox solv., cap. 200T, storage cap. 525,000 bu. Served by rail.

RALSTON PURINA CO. (P)
Soybean Div., Memphis 38112, Ph. 901-327-8447.
CONTACT PERSON: J.K. Sartain, Plant Mgr.
Solvent cap. 900T.

SOUTHERN COTTON OIL CO. (P)
Div. of Archer Daniels Midland Co., Cottonseed and Soybean Plant, 2782 Chelsea Ave., Memphis 38108, Ph. 901-452-3151.
CONTACT PERSON: C.M. McCalla
Solvent cap. 720T.

WEST TENNESSEE SOYA MILL INC. (P)
Tiptonville 38079, Ph. 901-253-7162 & 7211.
CONTACT PERSON: Tyler Terrett
Allis-Chalmers hexane solv., cap. 150T, storage cap. 1,800,000 bu., 44% protein solv. ext. soybean meal. Soybean operations 40,000T. Served by rail.

TEXAS

ANDERSON, CLAYTON & CO. (R)
Oilseed Processing Div., P.O. Box 521, Abilene 79604, Ph. 915-672-3271.
CONTACT PERSON: R.J. Carwile, Mgr.

ANDERSON CLAYTON FOODS (R SF)
P.O. Box 226165, Dallas 75266, Ph. 214-387-1224; TLX: 732242.
CONTACT PERSON: D.W. Vrbas, Commodity Mgr.

ANDERSON CLAYTON FOODS (R)
1201 E. Pecan St., Sherman 75090, Ph. 214-892-2111.
CONTACT PERSON: N.J. Fields, Mgr.

BROOKSIDE DIV., SAFEWAY STORES INC. (R SF)
Drawer C, 1405 W. Washington, Denison 75020; Main office: Oakland, CA, Ph. 415-944-4527.
CONTACT PERSON: Frank Bienati
Refine and deodorize soy and cottonseed oils.

BUNGE EDIBLE OIL CO. (R)
400 E. Exchange, P.O. Box 265, Fort Worth 76101, Ph. 817-625-2331; Main office: Kankakee (Bradley), IL.
CONTACT PERSON: Ken Hamilton
Refining, hydrogenating and deodorizing.

NE-TEX COOPERATIVE OIL MILL (P)
P.O. Box 139, Wolfe City 75496, Ph. 214-496-2281.
CONTACT PERSON: E.W. Heath, Mgr.
Solvent cap. 250T, storage cap. 650,000 bu., NE-TEX soybean meal and crude oil. Approx. soybean operations 15,000T. Served by truck and rail.

PROCTER & GAMBLE MFG. CO. (R)
P.O. Box 225118, Dallas 75265.

SHERMAN OIL MILL (P)
Affiliate of Chickasha Cotton Oil Co., Sherman 75090, Ph. 214-892-9171; Other location: Fort Worth, Ph. 817-732-8595.
CONTACT PERSON: Reed Bell, Plant Mgr.
7 continuous pr., solv., cap. 240T (cottonseed) and 200T (soybeans). Served by rail.

VIRGINIA

CARGILL INC. (P)
P.O. Box 7506, Chesapeake 23324, Ph. 804-545-8461; Main office: Minneapolis, MN.
CONTACT PERSON: John March
Hexane solv. cap. 1,500T, CARGILL soybean meal. Served by rail.

non-u.s. oil extraction plants/refineries

*Updated listing of non-U.S. firm.

ARGENTINA

MOLINOS RIO DE LA PLATA S.A.(P R SF IP)
Division Oleaginosos, Paseo Colon 746, Buenos Aires, 1323; TLX: 22270 (MRPSA AR); Other locations: Avellaneda, Provincia de Buenos Aires; Barranqueras, Chaco.
CONTACT PERSON: Dr. Nolly Sirkis, Div. Mgr.
Solvent cap. 1,500T/day, storage cap. 60,000MT, pellets, crude, fully refined, hydrogenated and fractionated oils; DELICIA and MANTY margarines; COCINERO, LIRA, RIO UVA, RIO MAIZ, IDEAL, TORERO cooking/salad oils. Served by truck, rail and barge.*

SANTO PIPO TUNGOIL SOC. COOP. LTDA. (P SF)
Florida 142, Piso 3-A, Buenos Aires, Ph. (Santo Pipo) 17.
CONTACT PERSON: Ing. Victor V. Borkoski, Plant Mgr.
2 exp., cap. 180T, DeSmet solvent cap. 180T, storage cap. 25,000T, soy protein concentrate, flakes and meal. Served by rail.

SANTO PIPO TUNGOIL SOC. COOP. LTDA. (P SF)
Casilla Correo 6, Santo Pipo (MS) 8, Ph. 17.
CONTACT: Carlos Clerc, Plant Mgr.
DeSmet solvent cap. 240T, storage cap. 4,000T, soybean meal and soy flour, mixed feeds and pellets, approx. soybean operations 30,000T.

AUSTRALIA

BARTON ADDISON & SONS PTY. LTD. (P SF)
18 Gray St., P.O. Box 51, Kogarah N.S.W., Ph. 587-0457.
CONTACT PERSON: P. Dickinson, Gen. Mgr.
3 exp., cap. 10T, Addison soybean meal and soy flour. Served by rail.*

MEGGITT LIMITED (P)
44 Liverpool Rd., Summer Hill, Sydney N.S.W., Ph. 798-7555; TLX: AA24510; Plants at: Brisbane, Q.L.D.; Melbourne, Vic.; Sydney, N.S.W.
CONTACT PERSON: A.D. Rector, Chief Exec.
3 solvent extraction plants, cap. 950MT/day, storage cap. 850,000, approx. soybean operations 80,000 MT.*

NORTHWEST VEGETABLE OILS PTY. LTD. (P R)
Subsidiary of Cargill Inc., Minneapolis, MN; Baranbar St., Narrabri West N.S.W. 2391, Ph. 067-92-2711; TLX: 66564.
CONTACT PERSON: D. Bacon-Hall
Prepress combined with Crown solvent extraction, 500MT/day, storage cap. 46,000MT, high protein soybean meal, crude degummed and alkali refined soy oil, approx. soybean operations 65,000MT, 40% per annum, processes soybeans, cottonseeds, sunflowers and safflowers.

SOUTHERN PACKERS PTY. LTD. (R SF IP)
300 Ingles St., Port Melbourne 3207, Ph. 644338; TLX: AA337-30.

SOY PRODUCTS OF AUSTRALIA PTY. LTD. (P SF)
69 Power Rd., Bayswater, P.O. Box 66, Victoria, Ph. 72-91738.
CONTACT PERSON: A.R. Smith, Plant Mgr.
Storage cap. 20,000 bu., SOYVITA full-fat soy flour, approx. soybean operations 50%. Served by rail.

AUSTRIA

KUNER (R SF)
Div. Osterreichische Unilever GmbH, Rosengasse 4, A 1011 Wien, Ph. 0222-6619; TLX: 07-4080.
Margarine, edible fats and foods.*

VEREINIGTE FETTWARENINDUSTRIE GmbH & CO. KG. (R)
Vogelweiderstr 71-73, A-4600 Wels, Ph. 05222-36771-16; TLX: 25528; Plants at: Innsbruck, Vienna and Wels.
CONTACT PERSON: Christian Rauch, Diplomingenieur
Crude, fully refined and fractionated oils, confectioning of vegetable oils and hardened fats. Served by truck and rail.*

BELGIUM

N.V. CARGILL (P)
Affiliate of Cargill, Inc., Minneapolis, MN, Muisbroeklaan, Kaai 506, Antwerp, Ph. 425080; TLX: 33761.
CONTACT PERSON: Willem v/d Hoeven, Mgr.
Solvent cap. 1,500T, storage cap. 30,000T, Cargill soybean meal. Served by rail.*

N.V. VAMO MILLS (P IP)
Prins Albertlaan 12, 8700 Izegem, Ph. 051-30-22-22; TLX: 81622. Plants at: Gent, Izegem and Merksem.
CONTACT PERSON: Fred Deroost, Gen. Mgr.
Hexane solvent cap. 5,100T, storage cap. 2,700,000 bu., soybean meal, pellets and crude degummed oil. Served by rail.*

SCALDISWERKEN RUIEN N.V. (P R IP)
6 Avelgemstraat, B9690 Kluisbergen-Rulen, Ph. 055-388412.
CONTACT PERSON: Albert Windels, Ing.
12 exp. storage cap. 50,000 bu., cap. 20T, SCALDIS mixed feeds, crude, once refined and fully refined oils. Served by rail and barge.*

UNION N.V. (R SF)
De Keyserlei 5 - Bus 1, Antwerp, B-2000, Ph. (31) 23 12 11; TLX: 3 34895.
CONTACT PERSON: L.J.P. Janssens, Mgr.
Crude, crude degummed, once refined and fully refined oils; SOLO, PLANTA, BECEL, NATURA and ORO margarines; IMPERIAL cooking/salad oil. Served by truck, rail, barge and ship.*

VANDEMOORTELE N.V. (R SF IP)
Prins Albertlaan 12, Izegem 8700, Ph. 051/30.22.22 & 051/30.38.38; TLX: 81 622 (VAMO B).
CONTACT PERSON: G. Vervaeke or J. Vleurinck, Prod. Dirs.
Fully refined and hydrogenated oils, margarine, shortening and cooking/salad oil. Served by truck, rail and barge.*

BOLIVIA

CIA OLEAGINOSA LTDA. (P R)
KM 8½ a Quillacollo, Casilla 382, Cochabamba, Ph. 40239.
CONTACT PERSON: Jose H. Guzman.
3 exp./screw press cap. 18T, batch solvent cap. 15T, refinery 10T, soybean and cottonseed storage cap. 3,000T, approx. soybean operations 1,500MT/year and cottonseed operations 1,500MT/year. Served by rail.

FABRICA DE ACEITE VILLAMONTES RAFAEL DEHEZA (P R SF)
Villamontes Tarija, Affiliate of Corporacion Boliviana de Fomento, P.O. Box 1124, La Paz., Ph. 324957-350917; TLX: 2566.
CONTACT PERSON: Ing. Jorge Jung Peters
Solvent cap. 15,000MT/year, storage cap. 26,000MT, soybean meal, fully refined oil, EL REY soy oil, Soyflour CBF, approx. soybean operations 6,000MT/year. Served by truck and rail.*

INDUSTRIAS DE ACEITE S.A. (P R SF)
P.O. Box 1759, Santa Cruz; Office at: Ballivian 262, Ph. 47008-47700.
CONTACT PERSON: Ing. Jose A. Gonzalez, Gen. Mgr.
3 exp./screw press, cap. 400T, storage cap. 44,000T, soy flour, soybean meal, pellets, crude, crude degummed, once refined, fully refined and hydrogenated oils, approx. soybean operations 15,000MT/year. Served by truck and rail.*

BRAZIL

ADM DO BRAZIL TVP-S.A. (P R SF IP)
Cx. Postal 632, CEP 13100, Campinas, S.P., Ph. 2-09-89; TLX: 019-1211.
CONTACT PERSON: Luzer Manczyk, Mgr.
Crude and refined oil, meal, textured vegetable protein and flour.

ANDERSON CLAYTON S.A. (P)
Estr. do Aeroporto s/n, Cx. Postal 61, Cruz Alta, RGS; Other locations: Rua da Consolacao; 155 Birigui, S.P., Rua Santa Terezinha, 1164, Londrina, P.R.; Av. Jose Jorge Estevam s/n, S.P.

BIANCHINI S/A IND. COM. E AGRICULTURA (P)
Rua dos Andradas No. 1121 - 10th Flr., Porto Alegre, R.S. 90.000, Ph. (0512)21.8777; TLX: (051)1848 or 1849; Other locations: Rio Grande, R.S.; Canoas, R.S.
CONTACT PERSON: Arlindo Bianchini, Dir.
Solvent cap. 1,500MT/day, storage cap. 260,000MT, soybean meal, crude degummed oil. Served by truck, rail, barge and ship.*

BRASWEY S.A. INDUSTRIA E COMERCIO. (P R)
Rua Enxovia, 423 Sto. Amaro, 04711 Sao Paulo, Ph. 548-5144; TLX: 011-22427; CABLE: BRASWEYCO.
CONTACT PERSON: Benedicto Vaneziani, Exec. Dir.
Cap. 3,500T, refinery cap. 200T, storage cap. 200,000T, Trademark: OUROAZUL.

CARGILL AGRICOLA S.A. (P R)
Rua Olavo Bilac 157, Sao Paulo, 04671, Ph. (011)548.8122; TLX: 011 21268; Other plants: Ponta Grossa, Parana; Mairingue, Sao Paulo; Monte Alto, Sao Paulo.
CONTACT PERSON: Jose Roberto G. Ferreira, Adm. Dir., or Sergio Alair Barroso, Comm. Mgr.
Soybean meal, pellets, crude, crude degummed, once refined and fully refined oils. Served by truck, rail and ship.*

CIA. BRASILEIRA DE OLEOS E DERIVADOS (COBRASOL) (P)
Alameda Santos, 1357-5°, Sao Paulo, S.P., 01419, Ph. 011-283-4222; TLX: 1131140 (CBOD BR); Other locations: Sao Luis Gonzaga, R.S.; Porto Alegre, R.S.; Santo Angelo, R.S.
CONTACT PERSON: Edmond Sidi, Commercial Mgr.
Solvent cap. 1,000MT/day, storage cap. 75,000MT, soybean meal and crude degummed oil. Served by truck and rail.*

CIA. SWIFT DO BRAZIL S.A. (P)
Campinas, S.P., Ph. 3921; Affiliate of International Packers Ltd.; Main office: Rua Formosa, 367, Ninth floor, Sao Paulo.
CONTACT PERSON: R.H. Welker, Plant Mgr.
2 high-speed exp. cap. 180T, solvent cap. 150T, storage cap. 400,000 bu., SWIFT-PLATE soybean meal, SWIFT mixed feeds, approx. soybean operations 8,000T. Served by rail.

CIA. SWIFT DO BRAZIL S.A. (P)
Rio Preto, S.P., Ph. 1711; Affiliate of International Packers Ltd.; Main office: Rue Formosa, 367, Ninth floor, Sao Paulo.
CONTACT PERSON: R.H. Welker, Plant Mgr.
4 high-speed exp. cap. 80T, storage cap. 300,000 bu., SWIFT-PLATE soybean meal, approx.soybean operations 2,000T to 5,000T. Served by rail.

COMPANHIA MOGIANA DE OLEOS VEGETAIS. (P R SF IP)
Av. Sete No. 2300, Orlandia, Sao Paulo, Ph. 016-726-3666 (PABX-15 troncos); TLX: 0166445 (CMOV).
CONTACT PERSON: Silvio Ferraz Pires, Asst. Dir.
1 exp. cap. 330T, 2 solvent cap. 1,200T, storage cap. 197,000MT, pellets, crude, crude degummed, fully refined and hydrogenated oils. Served by truck, ship and rail.*

CONTINENTAL DE OLEOS VEGETAIS "CONT-OLEOS" LTDA. (P)
Estrada dos Bandeirantes, 1375-Zona 42, Maringa, Parana, 87100, Ph. (0442)24-4111; TLX: 0442-171.
CONTACT PERSON: Jose Mario R.G. Motta, Gen. Mgr.
Solvent cap. 2,000T/day, storage cap. 170,000MT.*

CONTRIJUI COOPERATIVE REGIONAL TRITICOLA SERRANA LTDA. (P)
Rua das Chacaras N°. 1513, Cx. Postal 111, Ijui, R.S., Ph. 2159-63-3277; TLX: 0552199.

COOPERATIVA TRITICOLA MISTA ALTO JACUI LTD., COTRIJAL (P)
Rua Dr. Liberato Salzano 1-99-470, Nao me Toque, Rio Grande do Sul, Campo Real RGS, Ph. 277; TELEGRAPH: COTRIJAL.
CONTACT PERSON: Madar Piva

COOPERATIVA TRITICOLA DE PASSO FUNDO LTDA. (P)
Av. Presidente Vargas, 100, Cx. Postal 162, Passo Fundo, RGS, Ph. PABX-2381; TELEGRAPH: COMPASSO-PASSO,FUNDO-RS-BRAZIL; TLX: 0542151.

FAROL S.A.- IND. GAUCHA DE FARELOS E OLEOS (P R SF IP)
Avenida Borges de Medeiros 659 - 12th Flr., Porto Alegre, RGS, 90000, Ph. 512-33-79-88; TLX: 51-1732 (STEF BR); Other plants: Estrela, RGS; Feliz, RGS; Sapucaia Do Sul, RGS; Ituiutaba, MG.
CONTACT PERSON: Stefan Wenzel, Export Dir.
Solvent cap. 2,700T/day, continuous press cap. 250T/day, storage cap. 130,000MT, soybean meal, crude and fully refined oils. Served by truck, rail and barge.*

FECOTRIGO (P)
Rua. Gen. Andrade Neves 106, Cx. Postal 2679, 90,000 Port Alegre, R.S., Ph. 25-4022; TLX: 051-1331.
CONTACT PERSON: Jarbas Pires Machado, Pres.
Soybean crushing, 3,000T/day.*

FUJIWARA HISATO S.A. (P R IP)
Comercio e Industria, Rua Libero Badaro, 293, 27th Floor, Sao Paulo SP-BR, Ph. 229-1722; TLX: 11-23226 (FUHI-BR); Plants at: Rod. Melo Peixoto, KM. 159 Trecho Londrina, Cambe-PR, Ph. 54-3638.
CONTACT PERSON: Nelson Crepaldi, Dir.
3 solvent cap. 800MT, storage cap. 30,000MT, soybean meal, pellets, crude, crude degummed, once refined and fully refined oils. Served by truck and rail.*

GRANOL IND. COM. EXP. S/A. (P R SF IP)
Av. Indianopolis, 3303, Sao Paulo, 04063, Ph. (011) 2758254, 2752358, 2767733; TLX: 21275 (GCIL); TWX: 25090 (GCIL); Other locations: Junqueiropolis, S.P.; Tupa, S.P.; Lucelia, S.P.; Oswaldo Cruz, S.P.; Adamantina, S.P.; Pacaembu, S.P.
CONTACT PERSON: Jose Gomes Cadette, Dir. Pres.
Solvent cap. 2,000T, continuous press cap. 700T/day, storage cap. 1,200,000 bu., soybean meal, pellets, crude, crude degummed, once refined and fully refined oils; MONTEREAL, TUPA and CORONA cooking/salad oils. Served by truck, rail and ship.*

GRANOLEO S.A.- COM. IND. SEMENTES OLEAGINOSAS E DERIVADOS (P)
Av. Cavalhada No. 4.050, Porto Alegre, R.S., Ph. 0512-49-7368; 49-7734; 49-3757; 48-1122; TLX: (051) 1702; Other plant: Estrada de Moinhos, Estrela, R.S.
CONTACT PERSON: Wu Cheng-Tao, Tech. Dir.
Solvent cap. 1,500T/day, storage cap. 90,000T, soybean meal, crude degummed oil. Served by truck, rail and ship.*

INCOBRASA INDUSTRIAL E COMERCIAL BRASILEIRA, S.A. (P R SF)
Edificio Formac, 24th Floor, Porto Alegre, Ph. 24-3372, TLX: 051-1777 (INBRBR); Plant at: Rua Hermes da Fonseca, 2255 Vila Rio Branco, Canoas.
CONTACT PERSON: John Chang or Akira Uchida, Meal Sales Mgrs.
Solvent cap. 800T, storage cap. 90,000T, Incobrasa soybean meal and soy flour, SANTA ROSA edible soy oil, fluid lecithin, soy grits, toasted soybean pellets, approx. soybean operation 600-800T/day.

INDUSTRIA DE OLEOS PACAEMBU S/A. (P R IP)
Rua Silva Teles, 1465 - Pari, Sao Paulo, CEP 03026, Ph. 011-291-8844; TLX: 011-22374 IOLP; Other plants: Cascavel, Parana; Paranavai, Parana; Paranagua, Parana; Fatima Do Sul, Mato Grosso Do Sul.
CONTACT PERSON: Kanje Adachi, Mgr.
Solvent cap. 750T/day, continuous press cap. 750T/day, storage cap. 100,000MT, soybean meal, pellets, crude, crude degummed, once refined and fully refined oils. Served by truck and rail.*

INDUSTRIA RESEGUE DE OLEOS VEGETAIS S.A. (P R IP)
Rua Senador Feijo, 161-11th Flr., Sao Paulo, 01006, Ph. 011 34-8166/34-3113/34-5717/34-0997; TLX: 011 24762 (IROV BR); Other plant: Bariri, Sao Paulo.
CONTACT PERSON: Paulo Eduardo Rodrigues da Silva
Solvent cap. 1,400T/day, storage cap. 25,000T, soybean meal, pellets, crude oil, crude degummed, fully refined and hydrogenated oils; OLEO MINDOL/SOLANGE cooking/salad oil. Served by truck, rail and ship.*

INDUSTRIAL E COMERCIAL BRASILEIRA S/A. (P R)
Praca Senador Florencio, No. 12-10th Flr., Porto Alegre, Ph. (0512) 25 49 86; TLX: 051 1777.
CONTACT PERSON: Arthur Warth, Dir.
Solvent cap. 1,200T/day, storage cap. 120MT, soybean meal, crude degummed and fully refined oil. Served by truck, rail, barge and ship.*

INDUSTRIAS J.B. DUARTE S/A (P R SF IP)
Rua dos Patriotas, 1382, Sao Paulo, 04207, Ph. 011-274.8211; TLX: 01121226 (IJBDBR); Other location: Santo Anastacio, Sao Paulo.
CONTACT PERSON: Luiz Lian de Abreu Duarte, Gen. Dir.
Continuous press cap. 600T-1,000T/day, storage cap. 37,000MT, soybean meal, pellets, crude, crude degummed, once refined, fully refined and hydrogenated oils; COLMEIA, JB MAISA margarines; VIDA, CERES, MARIA, GILDA shortenings, cooking/salad oil. Served by truck and rail.*

KASPER & CIA. LTDA. (P R)
Rua dos Andradas, Nr. 955-9th Flr., Porto Alegre, Rio G. Do Sul, 90000, Ph. (0512) 33-1588 or 33-4212; TLX: (051) 1569 (KASP BR); Other plant: Pelotas, Rio Grande Do Sul; Elevators in Rio Grande Do Sul: Palmeira Das Missoes, Rio Grande, Tupancireta, Sao Gabriel, Santo Augusto, Santa Barbara.
CONTACT PERSON: Teldo Kasper Filho, Dir.
Solvent cap. 2,000MT/day, storage cap. 50,000MT, soybean meal, crude, crude degummed and fully refined oils; BIBIANA cooking/salad oil. Served by truck and rail.*

KLEMM, GABE & CIA. LTDA. (P R IP)
Avenida Paul Harris, 420, Santa Cruz Do Sul, RS, 168, Ph. (051) 711-3956 or 711-3923; TLX: 51 2258.
CONTACT PERSON: Armando Gabe, Gen. Mgr.
Solvent cap. 400MT/day, storage cap. 18,000MT, soybean meal, crude, once refined and fully refined oils. Served by truck.*

MERLIN S.A. IND. E. COM. DE OLEOS VEGETAIS. (P)
Av. Dique, s/n, Cx. Postal 2722 e 10,001, Porto Alegre, RGS, 90,000; TLX: 051-1053 (MERL).

MINASA (P R)
Caixa Postal 1101, Campinas, S.P. 13.100, Ph. (0192) 42-1966; TLX: 019-1043 (MINABR); Other locations: Araraquara, S.P.; Arapongas, P.R.; Itumbiara, G.O.
CONTACT PERSON: John B. Sieh, Gen. Mgr.*

S.A. MOINHOS RIO GRANDENSES (SAMRIG) (P R SF IP)
Rua De Conceicao, 195, Porto Alegre, RGS, Ph. 24-1033; TLX: 028778 (SAMRIG PAE).
CONTACT PERSON: Eduardo Scheidegger, Plant Mgr.
Solvent cap. 600,000T, storage cap. 140,000T, PROTOSAM toasted soybean meal, PROTEIMAX isolated soy protein, PRIMOR edible oil and margarine, LECSAM lecithin, GLISAM glycerin and soapstock and balanced feedings. Served by rail.

OLEOS VEGETAIS TAQUARUSSU S.A. (P)
Cx. Postal 14, Frederico Westphalen, RGS, Ph. 157.
CONTACT PERSON: Antoninho Toldo, Mgr.
4 exp. cap 25T, solvent cap. 20T, storage cap. 3,600T, ALTO URUGUAI soybean meal, TAQUARUSSU mixed feeds, approx. soybean operations 9 months.

OLVEBRA S.A. INDUSTRIA E COMERCIO DE OLEOS VEGETAIS (P R SF)
Praca Osvaldo Cruz N° 15-16° Andar, Porto Alegre, RGS, Ph. 21-2200; TLX: 051-1225 (OLVE BR).
CONTACT PERSON: Juarez Mayer, Ind. Dir.
Cap. 5,000T/day, refinery 600T/day, storage cap. 280,000T, toasted soybean meal, soy oil crude, refined and edible oil, powder soyabean milk, trademark VIOLETA.*

J. OSZOWSKI & CIA LTDA. (P)
R. Pindal S/N, RGS.
CONTACT PERSON: P. Oszowski, Plant Mgr.
2 exp. cap. 24T, storage cap. 12,000 bu., crude oil without brand, approx. soybean operations 10 months. Served by rail.

REFINADORA DE OLEOS BRASIL S/A (P R SF IP)
Av. Paulista, 2073 - Conj. Horsa II, 2nd Flr., Sao Paulo, S.P., 01311, Ph. (011) 287-3122; TLX: (011) 32042 (NEVA BR) and (011) 23827 (ROBR BR); Other locations: Sao Caetano do Sul, S.P.; Araucaria, P.R.
CONTACT PERSON: C.A. Walter or Jacques Rochat
Solvent cap. 1,200MT/day, storage cap. 3,300,000 bu., soybean meal, pellets, crude, crude degummed, fully refined and hydrogenated oils; MESA shortening, TRIVIAL cooking/salad oil. Served by truck and rail.*

SOC. ALGODOEIRA DO NORDESTE BRASILEIRO S.A. (SANBRA) (P)
Rua Boa Vista, 162-50, P.O. Box 8149, 01014 Sao Paulo; TLX: 011-23937; CABLE: SANBROIL.

CANADA

CSP FOODS LTD. (P)
P.O. Box 750, Altona, Man. R0G 0B0, Ph. 324-6481; TLX: 07-57556.
CONTACT PERSON: Norman Buhr, Gen. Mgr.
Storage cap. 720,000 bu., soybean, sunflower and canola operations. Served by rail.*

CANADA PACKERS INC. (R SF)
95 St. Clair Ave. W., Toronto, Ont. M4V 1P2, Ph. 416-766-4311; TLX: 062-2257; Plants at: Vancouver, Edmonton, Winnipeg, Toronto and Montreal.
Refining, hydrogenation and deodorizing.

CANADIAN VEGETABLE OIL PROCESSING (P SF IP)
Div. Canada Packers Inc., Victoria Ave. & Burlington St., Hamilton, Ont., Ph. 416-527-9121; TLX: 061-8315.
CONTACT PERSON: Paul W. Glenney, Asst. Gen. Mgr.
Crown Blaw-Knox hexane solvent cap. 1,200T, storage cap. 800,000 bu., CVOP soybean meal and crude degummed oil. Served by truck, ship and rail.*

MAPLE LEAF MONARCH CO. (P R SF IP)
365 Evans Ave., Toronto, Ont. M8Z 5W7, Ph. 416-252-5551; TLX: 06-984560; Plant at: Windsor, Ont.
CONTACT PERSON: N. Schrakamp, Tech. Dir.
Lurgi hexane solvent cap. 1,200MT, Prepress Lurgi hexane solvent cap. 300MT, storage cap. 1,500,000 bu., soybean, flaxseed, rapeseed, sunflower, soybean meal, crude, crude degummed, once refined, fully refined and hydrogenated oils. Served by truck, rail and ship.*

MONARCH FINE FOODS CO. LTD. (R SF)
6700 Finch Ave. W., Rexdale, Ont. M9W 1G9, Ph. 416-675-1678; TLX: 06-989-485; Plants at: Rexdale and Vancouver.*

VICTORY SOYA MILLS LTD. (P SF IP)
Affiliate of Procter & Gamble Co., Cincinnati, OH; 333 Lake Shore Blvd. E., Toronto Ont. M5A 1C2, Ph. 416-363-8771; TLX: 06-219812; CABLE: (VICTORY TOR).
CONTACT PERSON: B.S. Aitken, Gen. Mgr.
Served by rail.*

CHILE

ACEITERA TALCA S.A.(ACEITAL) (P SF)
Casilla 20D, Camino Longitudinal Sur., Talca, Ph. 32163.
CONTACT PERSON: Rodrigo Vines, Gen. Mgr.
3 exp. cap. 40T, solvent cap. 30T, soybean and other oilseed storage cap. 10,000T, ORO VEGETAL soybean meal and soy flour, approx. soybean operations 20%. Served by rail.

ACEITES Y ALCOHOLES (PATRIA) S.A. (P)
Huerfanos 812, 3ER Piso, Santiago, Ph. 394255; Plant at: Camino a la Costa S/N, Lontue.
CONTACT PERSON: Guillermo DeMartini Alvarez, Plant Mgr.

AGRO INDUSTRIAL MIRAFLORES S.A. (P)
Augustinas 1022, OF 823, Santiago, Ph. 67102; TLX: 40953 (AIMSA); Plants at: Santiago, Talca and Temuco.
CONTACT PERSON: Raymundo P. Perez, Gen. Mgr.

COMPANIA INDUSTRIAL (P)
Huerfanos 812, 3ER Piso, Santiago, Ph. 394255; Plant at: Temuco, Padre Las Casas.
CONTACT PERSON: Jose Gonzalez Briones, Plant Mgr.
2 exp. cap. 200T, DeSmet solvent cap. 200T, storage cap. 1,000,000 bu., CHEF, CRISTAL, DOS BANDERAS Oil, approx. soybean operations15,000T, rapeseed operation 5,000T.

COOPERATIVA AGRICOLA AVICOLA SANTIAGO LTD. (P)
Avda., Central No. 4051, LaValledor, P.O. Box 10080, Santiago, Ph. 9881; Plant at: Camino Melipilla 1630, Padre Hurtado.
CONTACT PERSON: Marcelo Ladevig, Mgr.
Exp./screw press cap. 24T, storage cap. 5,000MT, soybean meal, mixed feeds and pellets.

SOCIEDAD AGRICOLA KING LTDA. (P)
Irarrazaval 1951, Santiago, Ph. 747362.
CONTACT PERSON: Gonzalo Garcia, Mgr.
KING mixed feeds.

SUPER POLLO INC. CO. (P)
P.O. Box 333, Rancagua, Ph. 24943-Rancagua; Plant 22-Donihue.
CONTACT PERSON: Gonzalo Vial Vial.
2 exp./screw press cap. 130T, storage cap. 2500T, SUPER POLLO mixed feeds and pellets for company use.*

WATT'S ALIMENTOS SAC E I (R SF)
J.J. Prieto 10501, Santiago, Ph. 583625.
CONTACT PERSON: Carlos Larrain, Purch. Mgr.
Fully refined and hydrogenated oils. LA SURENA, LA DANESA, LA REINA, CRUZ DE ORO margarines; LA REINA, BELMONT, CRUZ DE ORO cooking/salad oils. Served by truck, rail and ship.*

COLOMBIA

ACEITALES S.A. (P)
Calle 12, No. 37-19, Bogota, Ph. 378555.
CONTACT PERSON: Edgardo Baena, Adm. Mgr.
Exp. cap. 100T, solvent cap. 220T.

ACEITES Y GRASAS VEGETALES S.A. (ACEGRASAS) (P SF)
Aceites Del Tolima S.A., Carretera del Sur 57-21, Bogota, Ph. 30-50-55.
CONTACT PERSON: Jose L. Florez, Plant Mgr.
Lurgi solvent cap. 50T, storage cap. 9,000T, pellets and soy flour.

LA AMERICANA GRASAS Y ACEITES COMESTIBLES S.A. (P R IP)
Carrera 1B, No. 47-12, Cali, Ph. 441021; TLX: 055-706.
CONTACT PERSON: Luis Fernando Santamaria
2 exp. cap. 22T, solvent cap. 75T, storage cap. 7,000MT, LA AMERICANA soybean meal, crude, crude degummed, once refined, fully refined and hydrogenated oils and shortening. Served by truck.*

GRASAS S.A. (P R SF)
Calle 11, No. 18-113, Buga-Valle, Ph. 2021; TLX: 05866.
CONTACT PERSON: Alberto Angel Leon, Pres.
2 exp. cap. 200T, Blaw-Knox solvent cap. 200T, storage cap. 1,600,000 bu., SUPERTORTA DE SOYA soybean meal; crude, crude degummed, hydrogenated and fractionated oils; approx. soybean operations 48,000T. Exports through Buenaventura. Served by rail.*

GRASAS VEGETALES S.A. (P R SF IP)
Carerra 51, No. 49-59, Piso 10, Box 5002, Medellin; TLX: 06-797; Plant at: Sabaneta, Antioquia.
CONTACT PERSON: German Castillo Ramirez, Gen. Mgr.
1 exp. cap. 50T, DeSmet solvent cap. 250T, storage cap. 5,000T, GRAVETAL soybean meal; crude, crude degummed, fully refined and hydrogenated oils; approx. soybean operations 3,000T/month.*

INSTITUTO DE MERCADEO AGROPECUARIO-IDEMA (P R)
Carrera 10 Numero 16-82, Bogota, D.E., Ph. 829911; TLX: 44795-43315.
CONTACT PERSON: Fabio Bermudez Gomez, Asst. Mgr.
Soybean meal and fully refined oil. Served by ship.*

LLOREDA GRASAS Y ACEITES VEGETALES S.A. (P R SF)
Autopista Cali Yumbo Kilometro 3, Cali, Ph. 682111; TLX: 055-711 (LLOGRCO).
CONTACT PERSON: Hugo Parra, Commercial Mgr.
3 exp. cap. 60T, solvent cap. 400T/day, storage cap. 30,000MT, approx. soybean operations 70,000T/year, soybean meal, PROTARINA soy flour, OLEOCALI salad and cooking oils, MANTECALI shortening, NOVA margarine; crude, crude degummed, once refined, fully refined and hydrogenated oils; ocean port Buenaventura 120 KM. Served by truck and rail.*

DENMARK

AARHUS OLIEFABRIK A/S (P)
Bruunsgade 27, 8100 Aarhus C, Ph. 06-12-60-00.
CONTACT PERSON: S. Mellerup, Mgr. Dir.
DeSmet solvent cap. 1,200T, soybean meal, approx. soybean operations 250,000T.*

DANSK SOJAKAGEFABRIK A/S (R IP)
Islands Brygge 24, 2300 Copenhagen S., Ph. 1546600; TLX: 31313.
CONTACT PERSON: Mogens Kjaer, Gen. Mgr.
Fully refined and hydrogenated oils. Served by truck, rail and ship.*

DOMINICAN REPUBLIC

SOCIEDAD INDUSTRIAL DOMINICANA C.A. (P)
Ave. Maximo Gomez No. 182, Santo Domingo, Ph. 809-565-1323.
CONTACT PERSON: Otto W. Bauer, Asst. Adm.
10 exp./screw press cap. 300MT, storage cap. 370,000 bu., GANADERO FULL-OF-PEP mixed feeds, approx. soybean operations 40%.

ECUADOR

CIA. LTDA. "LA FABRIL" (P R SF)
Km. 5½, Via a Portoviejo, Manta, Ph. 610-091, 612-734; TLX: 04-6101 (FABRIL ED).
Continuous press cap. 35T/day, soybean meal; crude, crude degummed, fully refined and fractionated oils; shortening. Served by truck.*

FABRICA DE ACEITES "LA FAVORITA" S.A. (P)
Francisco Marcos 102, P.O. Box 486, Guayaquil, Ph. 402840.
CONTACT PERSON: Ernesto Noboa, Gen. Mgr.
DeSmet solvent cap. 120T, storage cap. 8,600MT, local and import soybean operation.

INDUSTRIAS ALES C.A. (P R)
Casilla 4808, Manta, Ph. 610470.
CONTACT PERSON: Wolf R. Harten, Mgr.
DeSmet solvent cap. 120T, soybean meal, crude and fully refined oils, LA CORONA margarine, TRES CORONAS and LA REINA shortening, DOS CORONAS cooking/salad oil. Served by truck.*

OLEICA S.A. (P)
KM. 6½, Via a Daule, Casilla 3228, Guayaquil, Ph. Conm. 351-300.
CONTACT PERSON: Ing. Luis Piana, Plant Mgr.
Solvent cap. 100T/day, storage cap. 180,000 bu., manufacturers balanced rations, approx. soybean operation 30%.

PHIDAYGESA (P R SF)
Km. 16½, Via a Daule, Guayaquil, Ph. 351555; TLX: 04-3506.
CONTACT PERSON: Alvaro Bonilla, Mgr.
Solvent cap. 50T/day, storage cap. 5,000T, soybean meal, fully refined and hydrogenated oils, ESPECIAL and ASTRA margarines, UNICA and LECHONCITA shortenings, UNICA and BRILLANTE cooking/salad oils.*

EGYPT

AL ARZ INDUSTRIES FOR VEGETABLE OILS & DERIVATIVES (P R)
Free Zone, Alexandria, Ph. 803373; TLX: 54214 (SINNO UN).
CONTACT PERSON: Ziad Nakhal, Plant Mgr.
Rotocel solvent ext. cap. 300-350MT, storage cap. 25,000MT, 44% and 48% soybean meal, fully refined liquid soy oil. Served by barge and ship.*

EXTRACTED OILS & DERIVATIVES CO. (P)
Affiliate of Egyptian General Organization for Food Industries, Canal Mahmoudia St., Alexandria, Moharram Bey, Ph. 26199; TLX: 54015 (UN).
CONTACT PERSON: Eng. Osman Rifaat
DeSmet solvent cap. 350T, storage cap. 110,000 bu., approx. soybean operations 60,000T.

ENGLAND

BOCM SILCOCK LTD. (P R)
BOCM Silcock House, Basing View, Basingstoke, Hampshire RG212EQ, Ph. 29211; TLX: 858429; Plant at: Selby.
CONTACT PERSON: A. Peake, Gen. Mgr.
Manufacture animal feeds.*

J. BIBBY EDIBLE OILS LTD. (P R)
57 Great Howard St., Liverpool L37AW, Ph. 051-236-6671.
CONTACT PERSON: D.L. Airey, Mgr. Dir.*

THE BRITISH ARKADY CO. LTD. (P SF)
Arkady Soya Mills, Old Trafford, Manchester M16 ONJ, Ph. 061-872; TLX: 668488.
CONTACT PERSON: J.R. Mahlich, Mgr. Dir.
HI-SOY, DO-SOY and ARKASOY soy flour, protein products, food additives and veg. protein.*

BRITISH SOYA PRODUCTS LTD. (P SF)
Puckeridge NR Ware, Hertfordshire, Ph. 821291; TLX: 81352.
CONTACT PERSON: D.N. Hellier, Jt. Mgr. Dir.
TRUSOY and BREDSOY soy flours, functional food ingredients and BESPRO textured proteins. Served by truck.*

CONTINENTAL (LONDON) LTD. (P)
Continental Grain Co., 2 Gladstone Dock, Bootle, Merseyside L2O IBG, Ph. 051-933-6561; TLX: 628000.
CONTACT PERSON: E. Jones, Plant Mgr.
Solvent cap. 1,800T, storage cap. 300,000 bu., CONTISOYA brand.*

JAMES E. DEAN & CO. (R IP)
51 Edison Rd., Rabans Lane, Aylesbury HP193TE, Ph. Aylesbury (0296) 34534; TLX: 837228.
CONTACT PERSON: G. Bruce, Trader
Crude, crude degummed, fully refined, hydrogenated and fractionated oils. Served by truck.*

ERITH OIL WORKS LTD. (P)
Church Manorway, Erith, Kent DA8 1DL, Ph. 01-304-7111.
CONTACT PERSON: J.R.V. Greaves, Works Dir.
Solvent cap. 2,900T, UNIMILLS soybean meal. Served by road and sea.*

SOYA FOODS LTD. (P SF)
Affiliate of Spillers Milling Ltd., member of Dalgety Spillers Ltd. Group, New Malden House, Blagdon Rd., New Malden Surrey KT3 4TB, Ph. 01-949-2141; TLX: 896660; Plant at: Jacob St., Bermondsey, London SE1.
CONTACT PERSON: M.A. Brown, Gen. Mgr.
Storage cap 40,000 bu., SOYOLK and DIASOY, full-fat soy flours, other bread improvers and ice cream products.*

VAN DEN BERGHS AND JURGENS LIMITED (R SF)
Sussex House, Burgess Hill, West Sussex RH15 9AW, Ph. (04446) 46300; TLX: 877381 (VDBJ BH G); Other locations: Purfleet, Essex; Bromborough, Cheshire; Greenwich; Renfrenshire (Scotland); Needham Market, Suffolk.
CONTACT PERSON: B.P. Backlog, O & F Mgr.
Crude, crude degummed, fully refined, hydrogenated and fractionated oils; STORK, ECHO, BLUEBAND, FLORA, SUMMER COUNTY, KRONA margarines; COOKES and WHITE CAP shortenings; CRISP 'N DRY and FLORA OIL cooking/salad oils. Served by truck, barge and ship.*

FEDERAL REPUBLIC OF GERMANY

BROEKELMANN & CO. (P R)
D 4700 Hamm, Oelmuehle, Raffinerie, Speicherstr. 14-18, Ph. 02381/44851-6; TLX: 0828843.
CONTACT PERSON: Dr. Gulinsky or Dr. Knuth
4 exp. cap. 600T, hexane solvent cap. 800T, storage cap. 15,000T. Soybean meal; crude, crude degummed, once refined and fully refined oils; cooking/salad oil. Served by truck, rail and barge.*

HARBURGER OELWERKE BRINCKMAN & MERGELL (P)
Seehafenstrasse 2, D-2100 Hamburg, Harburg, Ph. 77-11-41; TLX: 02-17-681.
CONTACT PERSON: R. Merkle, Plant Mgr.
Lurgi ext. cap. 1,100T, storage cap. 900,000 bu., HOBUM soybean meal. Served by rail.*

NOBLEE & THOERL GmbH (R)
Div. of Henkel KGaA, Duesseldorf. Seehafenstr. 24, P.O. Box 90-10-40, 2100 Hamburg 90, Ph. 77-16-81; TLX: 02-177-13 (NOBLE D).
CONTACT PERSON: Rolf Spindler, Purch. Mgr.
Hardened, fractionated and interesteryficated oils and fats, fully refined, hydrogenated and fractionated oils. Served by truck, rail, barge and ship..*

O. & L. SELS KG (P R SF)
Duesseldorfer Str. 101, D-4040 Neuss/Rhein, Ph. 02101/24054; TLX: 8517835 sels d.
CONTACT PERSON: B. Gesthuysen
8 exp. cap. 1,000T, solvent cap. 2,100T, storage cap. 1,000,000 bu. Meal, crude, crude degummed, once refined and fully refined oils, lecithins. Served by rail and barge.*

OELMUEHLE HAMBURG AG (P R SF)
P.O. Box 930-320, D-2102 Hamburg 93, Ph. 75-19-41; TLX: 02-163537.
CONTACT PERSON: A.V. Wissel, VP
Solvent cap. 3,500T, soybean meal, crude degummed and fully refined soybean oil, soy lecithins and derivatives, protein meals and flours. Served by truck, rail, barge and ship.*

OELWERKE NOURY & VAN DER LANDE GmbH (R IP)
IndustriestraBe 10, 4240, Emmerich/Rhein, Ph. 02822-741.
CONTACT PERSON: L. Tjerkstra, Dir.
Once refined and fully refined oils and cooking/salad oil. Served by truck, rail and barge.*

Jb SCHMIDT SOEHNE (R)
6551 Odernheim, Ph. 06755-316; TLX: 042516 Gruenhaus.*

SOYA MAINZ GmbH & CO. KOMMANDITGESELLSCHAFT (P)
Dammweg 2, Postfach 3767, Ph. Mainz 06131/80051; TLX: 0418761 a sm d.
CONTACT PERSON: Dieter Berres or Albert Wolf
Cap. 2,500T, storage cap. 1,000,000 bu.*

THORL'S VEREINIGTE HARBURGER OELFABRIKEN (P)
Zweigniederlassung der Union Deutsche, Lebensmittelwerke, GmbH, D 2100 Hamburg 90, Ph. 040-771241.
CONTACT PERSON: K. Eckert, Plant Mgr.
Solvent cap. 2,900T, storage cap. 28,000T, oilseeds, UNIMILLS SOYASCHROT, approx. soybean operations 50%. Served by rail, lighters and seagoing vessels.*

C. THYWISSEN (P R SF)
Postfach 71, Industriestr. 33, Olfabrik, D-4040, Neuss, Rhein, Ph. 02101/26081; TLX: 08517803.
CONTACT PERSON: Matthias Fischer, Head Soybean Buyer
14 exp. cap. 500T, solvent cap. 1,000T, storage cap. 350,000 bu., soybean meal, crude, crude degummed and fully refined oils and lecithin. Served by truck, rail, barge and ship.*

UNIMILLS (P SF)
Vertriebsgesellschaft fur Ernahrungsfette, Ole und Futtermittel mbH, Dammtorwall 15, Unileverhaus, Box 101509, D-2000, Hamburg 36, Ph. 040-34901.
CONTACT PERSON: Dr. J.E. Batterbee, Dr. A. Bartels or R. Marussi
Processing, lecithin, complete product range for edible, technical and animal applications.*

UNION DEUTSCHE LEBENSMITTELWERKE GMBH (P)
Olwerke Spyck, Niederrhein 1, Postbox 2080, D-4190 Kleve, Ph. 02821-9041; Office at: Postbox 101509, Dammtorwall 15, Unileverhaus, D-2000 Hamburg 36.
CONTACT PERSON: H. Habig, Plant Mgr.
Solvent cap. 790T, storage cap. 18,000T, oilseeds, UNIMILLS SOYA-SCHROT. Served by rail and barge.*

UNION DEUTSCHE LEBENSMITTELWERKE GMBH (P)
Oil Milling Div. of Unilever, Unileverhaus, Dammtorwall 15, P.O. Box 101509, D-2000, Hamburg 36, Ph. 040-34901.
CONTACT PERSON: Dr. J.E. Batterbee, H. Koschorreck or R. Marussi

VEREIN DEUTSCHER OELFABRIKEN (P)
Zweigniederlassung der Union Deutsche Lebensmittelwerke GmbH, 6800 Industriehafen, Bonadiestr. 3-5, D-6800 Mannheim, Ph. 0621-37041.
CONTACT PERSON: W. Brod, Plant Mgr.
Solvent cap. 3,200T, storage cap. 30,000T, oilseeds, UNIMILLS SOYA-SCHROT, approx. soybean operations 50%. Served by rail and barge.*

WALTER RAU NEUSSER OEL UND FETT AG (R)
Industriestrasse 36, 4040 Neuss, Ph. 2101-208-0; TLX: D-08-517-827.
Refining, hydrogenation, soy and other vegetable oils.

WILHELM CONNEMANN (P)
Saegemuehlenstrasse 45, D-2950 Leer, Ostfriesl, Ph. 0491-4571; TLX: 02-7734.
CONTACT PERSON: Gerhard Loecken, Plant Supt.

5 exp. cap. 650T, solvent cap. 900T, storage cap. 5,000T, CONNESOY 44% and 50% pellets, meal and flour, sunpellets 30%, defatted wheat germ flour 30%, refinery 100T, sunoil, refined and winterized, rapeseed, maize and wheat germ oil. Served by DB and River Ems, own wharf in Leer Port, Draft of 15-ft.*

FINLAND

OLJYNPURISTAMO OY (P)
Niittaajankatu 1, Helsinki, Ph. 78015[illegible]; TLX: 12-1518.
CONTACT PERSON: E. Tolvanen, Plant Mgr.
6 screw pr., DeSmet solvent ext., approx. soybean operations 60,000T/year. Own port. Served by rail.

OY KASVIOLJY (P R SF IP)
21200 Raisio, Ph. Turku 921-780-311; TLX: 62140 (RAUL SF).
CONTACT PERSON: Heikki Siintola, Mgr. Foreign Dept.
4 exp. cap. 250T, solvent cap. 300T, storage cap. 7,000MT, soybean meal; crude degummed, fully refined, hydrogenated and fractionated oils; distilled fatty acids and byproducts. Served by truck, rail and ship.*

FRANCE

BORDEAUX-OLEAGINEUX (P)
Quai Alfred de Vial, 33530 Bassens, commercially managed by Societe Francaise Bunge, 8, Boulevard de Vaugirard, 75738 Paris Cedex 15, Ph. 320 14 60; TLX: 204544.
CONTACT PERSON: J.P. Moraux, Dir.
Exp. cap. 1,100T, storage cap. 32,000MT, soybean meal and crude degummed oil. Served by truck, rail, barge and ship.*

P. DUMORTIER FRERES S.A. (P)
B.P. 120-59, Tourcoing, Ph. 26-61-00; TLX: 810075.
CONTACT PERSON: Mr. Dumortier
Served by rail.

HUILERIES ALSACIENNES S.A. (P)
1 Place Henry Levy, Boite Postale No. 19, 67016 Strasbourg Cedex, Ph. 88-61-48-55; TLX: 870979.
CONTACT PERSON: G. Haefele, Oil Sales Mgr.
Served by Rhine canal and rail.*

ROBBE-HYFRAN S.A. (P)
Paris 8; Plant at: Venette-Compiegne 60200; Ph. 420-99-30.
CONTACT PERSON: Paul Droste, Plant Mgr.
Exp. 250T, ext. 300T, storage cap. 6,500T. Served by rail.

SOCIETE INDUSTRIELLE DES OLEAGINEUX (SIO) (P R SF IP)
Office and plant: 12 Rue du General De Gaulle, 62223 St. Laurent Blangy, B.P. 87-62002 Arras Cedex, Ph. (21) 21 02 03; TLX: 820580 (510); office: SIO Direction Proteines, Groupe Lesieur, 122, Av. du General LeClerc, 92103 Boulogne-Billancourt, Ph. (1) 604 30 32; TLX: 260917 (SOLEAG).
CONTACT PERSON: Rene Benard, Plant Mgr.
DeSmet solvent cap. 220T, soy grits and flours manufacturer: SOYOPTIM, SOYADYN, SOYASSIM, PROTISOYA, FLOCOSOYA, SOYASOL, soy flours, soybean meal; once refined, fully refined and hydrogenated oils; soybean operations 66,000T/year. Served by rail.*

SOJA FRANCE S.A. (P)
Boulevard Paul Leferme, St. Nazaire 44600, Ph. 22-91-07; TLX: 700-941; Plant at: Brest 29200, Ph. 80-26-09.
CONTACT PERSON: J.L. Lapix, A. Gen. Mgr.
Solvent cap. 1,700T, storage cap. 2,200,000 bu., soybean meal and crude degummed oil. Served by truck and rail.*

GREECE

SOYA MILLS S.A. (P)
Valaoritou 9, Ph. 36.01.002 Athens; Plant at: Kalamaki, Korinthe.
CONTACT PERSON: A. Ofloudis or E. Kazatzas
Solvent cap. 600T, storage cap. 1,850,000 bu., quality 44%-45% PROFAT soybean meal. Served by own port.*

HAITI

SODEXOL, SOCIETE D'EXPLOITATION D'OLEAGINEUX (P R)
S.A.M. Laffiteau, P.O. Box 13460, Delmas, Port-au-Prince.
H.L.S. solvent cap. 360T/day, refining cap. 70T/day, neutralization, bleaching, physical refining-deodorization.*

INDIA

DIPAK SOLVENT EXTRACTION INDUSTRIES (P R)
Jawahar Road, Manavadar-362 630, Ph. 267, 268; TLX: 0164-215 (DSEI IN); Other location: Manavadar, Gujarat.
CONTACT PERSON: Shri G. G. Patel, Partner
Solvent cap. 100MT/day, storage cap. 1,000MT, soybean meal, crude and fully refined oil. Served by truck and rail.*

FOODS FATS & FERTILISERS LIMITED (P R IP)
Post Box No. 15, Tanuku Road, Tadepalligudem 534 101, Andhra Pradesh, Ph. (8816) 2571.
CONTACT PERSON: Sushil Goenka, Prod. Dir.
Solvent cap. 100MT/day, soybean meal, pellets, fully refined and hydrogenated oil. Served by truck, rail and ship.*

GODREJ SOAPS LIMITED (P R)
Pirojsha Nagar, Eastern Express Highway, Vikhroli, Bombay, Maharashtra 400 079, Ph. 584461-9/586861-8; TLX: 11-3480 (AVIX IN); Other locations: Miraj, Maharashtra; Ambattur, Madras.
CONTACT PERSON: N.B. Godrej, Dir.
Solvent cap. 100T/day, soybean meal, mixed feed, crude and fully refined oil. Served by truck and rail.*

HINDUSTAN LEVER LIMITED (P)
Subsidiary of Unilever Limited, London, England; 165-166 Backbay Reclamation, Bombay 400 020, Ph. 221222; TLX: 011-2323.
Manufacturer of GOLDMOHUR mixed feeds and pellets.

J.K. EXPORT INDUSTRIES (P R)
Savitabag, Vadal Road, P.O. Box No. 37, Junagadh 362 003, Ph. 1431; 2080; 1389; Resi 914; TLX: 0164-204 (LUCK IN).
CONTACT PERSON: M.B. Patea, Managing Partner
Solvent cap. 110T/day, continuous press cap. 80T/day, soybean meal; pellets; crude, once refined, fully refined, hydrogenated and fractionated oils. Served by truck.*

JINDAL SOLVENT EXTRACTIONS (P R SF IP)
Kashipur-244713, Ph. 270 and 292.
CONTACT PERSON: Madan Mohan Jindal, Partner
Solvent cap. 65T/day, storage cap. 10,000T, soybean meal, crude and fully refined oil. Served by truck.*

KALYAN SOLVENT EXTRACTION LIMITED (P R)
38, Siyaganj, 1st Flr., Indore, M.P., Ph. 35543; Other location: Amona, Dewas, M.P.
CONTACT PERSON: K.C. Barjatya, Mgr. Dir.
Solvent cap. 60MT/day, soybean meal, crude and fully refined oil. Served by truck and rail.*

LIBERTY OIL MILLS (P R SF)
31, Farook S. Oomerbhoy Path, Byculla, Bombay, Maharashtra, Ph. 39 84 11; TLX: 11 6189 (LIBO IN).
CONTACT PERSON: Hamza A. Kader, Partner
Solvent cap. 100T/day, storage cap. 3,000T, soybean meal; pellets; crude, crude degummed, once refined, fully refined and hydrogenated oils; CHANDA margarine; BUTLER and SAVERA cooking/salad oil. Served by truck, rail and ship.*

M.P. OIL EXTRACTION PVT. LTD. (P R)
22/55 Industrial Area, Raipur (M.P.) 492 001, Raipur, Madhya Pradesh, Ph. 25027, 26670, 23429; TLX: 0775-215/224 (MPOL).
CONTACT PERSON: Shri Suresh D. Manik, Mgr. Dir.
Solvent cap. 150MT/day, storage cap. 6,000MT, soybean meal; crude, crude degummed and fully refined oils. Served by truck, rail and ship.*

MADHUSUDAN VEGETABLE PRODUCTS CO. LTD. (P R)
P.O. Rakhial Stn.-382315 Talukai-Dehgam, Ahmedabad, Gujarat, Ph. 22896, 22897, 22898; TLX: 012-482; Other locations: Rakhial; Kadi, Mehsana (Gujarat).
CONTACT PERSON: R.S. Saraogi, C.E.O.
Solvent cap. 50T/day, storage cap. 1,000MT, soybean meal; crude, crude degummed and fully refined oils. Served by truck, rail and ship.*

MALWA PROTEINS & OILS PVT. LTD. (P)
E 5/90, Arera Colony, Bhopal (MP) 462016, Ph. 64891; TLX: 0705-276 (705-MPOL IN); Other factory: Maksi Gadroli Industrial Estate, Shajapur (MP).
CONTACT PERSON: Deepak Suryavanshi, Dir.
Solvent cap. 60T-100T/day, continuous press cap. 60T-100T/day, storage cap. 4,000T, soybean meal, crude degummed oil. Served by truck, rail, barge and ship.*

MALWA VANASPATI & CHEMICAL COMPANY LIMITED (P R IP)
1, Mohatta Nagar, Indore - 452 003, M.P., Ph. 6353, 6354, 6355; TLX: 0735 228 MVCC IN (MVCC).
CONTACT PERSON: B.S. Mohatta, Chrmn.
Soybean meal; crude, crude degummed, once refined, fully refined and hydrogenated oils. Served by truck, rail and ship.*

MANGLIAGAON (M.P.) GENERAL FOODS PVT. LTD. (P R SF IP)
150, Jaora Compound, Indore 452001, Ph. 6889; TLX: 0735-203.
CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Solvent cap. 150MT, storage (150) cap. 3,000MT, soybean meal; mixed feed; crude, crude degummed, once refined and fully refined oils; soya flours. Served by truck and rail.*

NAV MAHARASHTRA CHAKAN OIL MILLS (P R)
42/43, Shankar Sheth Road, Pune-411 009, Maharashtra, Ph. 449449, 449890, 447306; TLX: 0145-349 (NMCIN).
CONTACT PERSON: Shri Shantilal Ratanchand Lunkad
Solvent cap. 60MT/day, crude, crude degummed and fully refined oils. Served by truck.*

PRABHAT SOLVENT EXTRACTION INDUSTRIES PVT. LIMITED (P R SF IP)
1st Flr., Sterling Apartments, Jawahar Road, Post Box No. 76, Rajkot, Gujarat, 360 001, Ph. 32951, Std. code 0281; TLX: 0169 234 and 0169 286 (SWAD IN) and (PSEI IN); Other locations: Manavadar, Gujarat; Rajkot (Madhapar), Gujarat.
CONTACT PERSON: Navin D. Vadalia, Mgr.
Solvent cap. 100MT/day, soybean meal; crude, crude degummed, once refined, fully refined and hydrogenated oils; SWAD cooking/salad oil. Served by truck and rail.*

PREMIER EXTRACTIONS PRIVATE LIMITED (P R SF)
45/47 A. Industrial Area, A.B. Rd., Dewas, Madhya Pradesh, Ph. 5489, 38705 or 236-854; TLX: 0735-306 (PREM-IN).
CONTACT PERSON: Sh. G. L. Agrawal, Mgr. Dir.
Solvent cap. 140MT, storage cap. 10,000MT, soybean meal, crude and fully refined oils. Served by truck and rail.*

PRESTIGE FOODS PRIVATE LIMITED (P R SF IP)
32, 11-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
Solvent cap. 100T/day, storage cap. 6,000T, soybean meal; mixed feed; crude, crude degummed, once refined and fully refined oils. Served by truck, rail and ship.*

RAJANI BROTHERS (P R)
15, Jaora Compound, Indore-452001, M.P., Ph. (0731) 5163 7722.
CONTACT PERSON: G.J. Rajani, Partner
Continuous press cap. 50T/day, crude and fully refined oil. Served by truck and rail.*

RASOI LIMITED (R)
20 R.N. Mukherjee Road, Calcutta, W. Bengal, 700001, Ph. 23-0114; Other locations: Kundli, Haryana; Bhiwani, Haryana; Jalgaon, Maharashtra.
CONTACT PERSON: Raghu Mody, Chrmn.
Hydrogenated oil and shortening. Served by truck.*

SHREE KANTI OIL MILLS (P)
Anand Building, 82/84, Kazi Syed St., Bombay-400 003, Ph. 32 27 97 or 33 55 21; TLX: 011-3581 (KNTI-IN); Other location: Jamnagar, Gujarat.
Solvent extraction.*

SHREE MANSINGKA OIL MILLS LIMITED (P R)
258, Kalbadevi Rd., Bombay-400002, Maharashtra, Ph. 317791, 296313; Other location: Khandwa, Madhya Pradesh.
CONTACT PERSON: D.P. Mansingka, Jt. Mgr. Dir.
Solvent cap. 120MT/day, continuous press cap. 100MT/day, storage cap. 4,000MT, soybean meal, crude and fully refined oil. Served by truck and ship.*

SOYABEAN EXTRACTION PRIVATE LTD. (P)
Milan Poshal Ghar, Station Rd., P.O. Box 44, Anand 388001, Gujarat; Ph. 272; CABLE: SOYBEAN ANAND; Plant at: Plot 124 to 128B, g.i.D.c. Estate Vithal Udyognagar, Vallabh Vidyangar 388120.
CONTACT PERSON: P.N. Patel, Plant Mgr.
Solvent cap. 20-50T, storage cap. 1,600MT, soy flour. Served by rail.*

SOYABEAN EXTRACTION PRIVATE LTD. (P)
143 Jolly Maker Chambers Two, 14th Floor, 225 Nariman Point, Bombay 400-021, Ph. 231320; TLX: 0-11-3078 (UTPA IN); CABLE: UTPADAN.*

THE TATA OIL MILLS CO. LTD. (P)
Bombay House, Bombay 400-023, Ph. 259131; TLX: 011-2618.
CONTACT PERSON: M.C. Badami, Mgr. Protein Foods
2 exp., solvent cap. 21,900T/year, PROTIMITE isolate, CHIC-PIC poultry feed mash, O.K. cattle feed, soy flour, mixed feeds and pellets.

VED BRAT & CO. (P SF IP)
Reg. Soya Protein Ltd., 39-C Prem House, Connaught Place, New Delhi 1, Ph. 352761.
CONTACT PERSON: Ved Brat, Pres.
Exp. cap. 50T, solvent cap. 100T, storage cap. 10,000MT, soya proteins, soybean meal, mixed feed and crude oil. Served by truck and rail.*

VIKAS EXPORT INDUSTRIES (P R SF)
3, Gandhi Chambers, Gondal Rd., RAJKOT-2, Rajkot, Ph. 88971-88972; TLX: VEIR-281.
CONTACT PERSON: D.Y. Patel
Solvent cap. 100MT/day, continuous press cap. 60MT/day, storage cap. 2,000MT, soybean meal; crude, once refined and fully refined oils; VIKAS margarine and cooking oil. Served by truck, rail, barge and ship.*

VIPPY SOLVEX PRODUCTS PRIVATE LTD. (P R SF IP)
28, Industrial Area, AB Road, Dewas 455-001, Ph. 581; TLX: 0732-201 (VSPIN).
CONTACT PERSON: Prakash Mutha, Mgr. Dir.
Exp. cap 20MT, solvent cap. 100MT, storage cap. 15,000MT, VIPPY and SUPER SOY soy flour; soybean meal; crude, crude degummed and fully refined oils. Served by truck and rail.*

IRAN

BEHPAK INDUSTRIAL CO. LTD. (P)
56 Zahedi Ave., Tehran, Ph. 8171.
CONTACT PERSON: H. Jorati, Plant Mgr.
8 exp. cap. 400T, solvent cap. 300T, soybean storage cap. 15,000T, cottonseed storage cap. 60,000T, soybean meal, approx. soybean operations 20,000T.

ISFAHAN INDUSTRIES & VEGETABLE OIL CO. (P)
Anoushirevan St., KM 2, Isfahan, Ph. 34380.
CONTACT PERSON: E.G. Sajedi, Plant Mgr.
8 exp./screw press cap. 80T, solvent cap. 50T, storage cap. 10,000MT, ISFAHAN cakes.

KHAVARDASHT AGROINDUSTRY CORP. (P)
483 Hafez Ave., Tehran, Ph. 6710129; TLX: 212627; Plant at: K[illegible]adji Rd.
CONTACT PERSON: Mr. Haidari, Plant Mgr.
4 exp./screw press cap. 600T, solvent cap. 300T, storage cap. 30,000MT, soybean meal.*

PARS ANIMAL FEED CO. (P)
Karadj Rd., KM. 14, Tehran, Ph. 665813; CABLE: PARSDANEH; Main office: 35 Kenedy St., Box 14/1369, Tehran, Ph. 921223.
CONTACT PERSON: Mr. Koroor, Plant Mgr.
Exp. cap. 500T, solvent cap. 150,000T, storage cap. 30,000T, PARS soybean meal, mixed feed and pellets, approx. soybean operations 7,000T (local crop).

PARS VEGETABLE OIL CO. (P IP)
Farahabad Khazeneh, Tehran, Ph. 312203-9; TLX: 212476 (CATLIR); Office at: 483 Ave. Hafex, P.O. Box 1982, Tehran.

SHERKATE SAHAMI ROWGHAN NABATI JAHAN (P)
15 Ave., Malekoshoara Bahar, Tehran 15, Ph. 838036; TLX: 212628 (FATIR); Plant at: Jahanshahr, Karadj.
CONTACT PERSON: Eng. Marvasti, Plant Mgr.
4 exp./screw press cap. 250T, solvent cap. 250T, storage cap. 10,000MT, Jahan soybean meal.

ISRAEL

ETZ HAZAITH LTD. (P R SF IP)
P.O. Box 193, Petah-Tikva, Ph. 927171; TLX: 341859; Plant at: Kiryat Aryeh, Petah-Tikva.
CONTACT PERSON: Pinchas Naor, Plant Mgr.
Ext. cap. 500T, storage cap. 31,000T, HLS solvent ext. 200T, flash desolventizing 30T, refinery HLS 200T, meal 50% proteins, lecithin, flour, hydrogenation, margarine, shortening and soaps.*

IZHAR OIL INDUSTRY OF ISRAEL LTD. (P R IP)
P.O. Box 823, Tel-Aviv, Ph. 252444; TLX: 33441 (OCEAN IL); Plant at: 52 Nahlatlzhak St., Tel-Aviv.
CONTACT PERSON: M. Mitelman
SBP Benzene 60% solvent cap. 600T, storage cap. 10,000MT, soybean meal; crude, crude degummed, once refined, fully refined and hydrogenated oils. Served by truck and rail.*

OLIVEX LTD. (P R SF)
25 Rothschild Blvd., P.O. Box 1498, 61014 Tel-Aviv; Plant at: Petah Tiquah, Ph. 614451; CABLE: EXOLIV.
CONTACT PERSON: Dr. Wolf Cegla, Dr. Uriel G. Cegla or Ronit Silon
Continuous solvent cap. 600MT, storage cap. 8,000T, soybean meal; crude, crude degummed, once refined and fully refined oils; GOLD OIL cooking/salad oil. Served by truck.*

SHEMEN INDUSTRIES LTD. (P R IP)
P.O. Box 136, Haifa 31000, Ph. 04-670491; TLX: 46776 (KFood IL).
CONTACT PERSON: Z. Neumann, Mktg. Dir.
Allis-Chalmers, DeSmet and French solv. cap. 600T, storage cap. 16,000T, approx. soybean operations up to 10,000T/month; crude, crude degummed, fully refined and hydrogenated oils; MEGED soy oil and SHEMEN meal. Served by truck, rail and ship.*

TAVLIN LTD. OIL & SOAP FACTORY (P R)
Box 36, Rishon-le-Zion, Ph. 948-224.
CONTACT PERSON: I. Cohen, Plant Mgr.
2 continuous solvent ext. plants, cap. 400T, storage cap. 1,500T, 44% soybean meal; crude, crude degummed, once refined and fully refined oils; undecorticated cottonseed meal, approx. soybean operations 80%. Served by truck.*

TETH-BETH LTD. (P)
P.O. Box 147, Petah-Tikva, Ph. 913191; TLX: 341962.
Screw presses, continuous ext. cap. 700T, storage cap. 17,000T, approx. soybean operations 10-12 months. Served by rail.

ITALY

GIACOMO COSTA FU ANDREA S.p.A. (P R SF)
Via Gabriele d'Annunzio 2, Genova, Ph. 010-54831; TLX: 270068 (COSTA I); Plant at: Vignole Borbera, Alessandria.
CONTACT PERSON: Domenico Costa, Co-owner
Continuous solvent plant cap. 800T, storage cap. 45,000T, COSTA soybean meal, crude degummed and fully refined oils, 0I0-GICO cooking/salad oil, soy lecithin, approx. soybean operations 90%. Served by truck, barge and ship.*

I.G.O.R. S.p.A. (R SF)
Via Milano 3, Orzinuovi, 25034, Ph. (030) 941761-2-3-4-5; TLX: 300054 (IGEAOR).
CONTACT PERSON: Zanisi Adriano, Pres.
Crude, crude degummed, once refined, fully refined, hydrogenated and fractionated oils; VEGETALINA-MILDA GOLD margarine; FRYPALM shortening.*

INDUSTRIE CHIMICHE ITALIA CENTRALE S.p.A. I.C.I.C. (P R IP)
Molo Sud, Zona Industriale, Ancona, Ph. 071/55771; TELEGRAPH: ICIC Ancona; TLX: 560035 ICIC A - 560866 ICIC B.
CONTACT PERSON: Ing. G. Bertoni, Plant Mgr.
Solvent cap. 800T, storage cap. 46,000MT, approx. soybean operations 70%, soybean meal; crude, crude degummed and fully refined oils. Served by truck.*

ITALIANA OLII E RISI S.p.A. (P R SF IP)
Via Romolo Gessi, 20, Ravenna, 48100, Ph. 0544-31222; TLX: 550077 IORRA I. Plants at: Porto Corsini, Ravenna; Porto Marghera, Venice; and Aprilia, Latina.
CONTACT PERSON: Ing. Stefano Ghirardini, Tech. Dir.
Total solvent cap. 3,000T/day, press cap. 400T/day, soybean storage cap. 160,000MT. Soybean meal; crude, crude degummed, once refined and fully refined oils; LECITOIL soy lecithin; approx. soybean operations 90%. Served by truck, ship and rail.*

ITALSO S.p.A. (P)
Via L DaVinci, 35A, Livorno.
Crushing cap. 700T/day.

LIQUIFARM-GRUPPO INDUSTRIE ALIMENTARI S.p.A. IN AMMINISTRAZIONE STRAORDINARIA (P R SF IP)
Via L da Vinci 19, Livorno, Ph. 34731; TLX: 500053; CABLE: GIAMIX.
CONTACT PERSON: Dr. Eugenio De Biase, Plant Mgr.
Solvent cap. 300T, storage cap. 450T - plant storage, 50,000T. Soybean meal; pellets; mixed feed; crude, crude degummed and fully refined oils. Served by truck and rail.*

OLEIFICIO FRATELLI BELLOLI SAS (P)
Inveruno 20010, Ph. 978125; TLX: 32549.
CONTACT PERSON: Vincenzo Donini, Mgr.
DeSmet solvent, storage cap. 40,000T.

S.I.O. CASTELFIORENTINO S.p.A. (R SF)
Via Senese Romana, N. 275, Castelfiorentino (Fi), 50051, Ph. (0571) 64 33 8; TLX: 570 072 (SIO-CF-I).
CONTACT PERSON: Luciano Zini, Mgr. Dir.
Fully refined oil and cooking/salad oil. Served by truck and rail.*

S.I.O. MODENA S.p.A. (R SF IP)
Via Farini, N. 56, Modena, 41100, Ph. (059) 22 2571; TLX: 510 138 (SIO MO I); Other locations: Castelfiorentina and Ravenna.
CONTACT PERSON: Mario Bonfanti, Mgr. Dir.
Fully refined oil and OSCAR cooking/salad oil. Served by truck and rail.*

S.I.O. RAVENNA S.p.A. (P IP)
Via Farini N. 56, Modena, 41100, Ph. (059) 22 25 71; TLX: 51 0138 (SIO MO I); Plant at: Ravenna.
CONTACT PERSON: Giancarlo Zelocchi, Mgr. Dir.
Solvent cap. 1,400T/day, storage cap. 40,000MT, soybean meal, crude degummed oil. Served by truck, barge and ship.*

SAMVA (P R SF)
Div. Giacomo Costa Fu Andrea S.p.A., Porto Marghera.
CONTACT PERSON: Domenico Costa, Co-owner
Continuous solvent plant cap. 1,000T, storage cap. 55,000T, soybean meal, crude degummed and fully refined oils, OIO-GICO cooking/salad oil, soy lecithin, approx. soybean operations 90%.Served by truck, barge and ship.*

JAMAICA

JAMAICA SOYA PRODUCTS INDUSTRIES LTD. (P)
P.O. Box 27, Old Harbour, St. Catherine, Ph. 983-2217.
CONTACT PERSON: F.A. Anderson, Gen. Mgr.
French stationary basket extractor, cap. 300MT, storage cap. 500,000 bu., bulk and bagged soybean meal.

JAPAN

AJINOMOTO CO. INC. (P R SF IP)
5-8, 1-Chome, Kyobashi, Chou-ku, Tokyo, Ph. 272-1111; Plant at: Yokohama.
CONTACT PERSON: H. Shiina, Plant Mgr.
8 screw press cap. 140T, hexane solvent cap. 700T, storage cap. 1,000,000 bu., oils and fats, tempura oil, salad oil, oilseed meal, lecithin, soy protein, seasonings, AJI-MATE, amino acids, mayonnaise, margarine, soups, AJI-CURE prepared frozen food, instant coffees and AJI-COAT.*

ASAHI YUSHI CO. LTD. (P R SF)
Higashi Asahikawa City 070, Ph. 0166-36-1121.
CONTACT PERSON: M. Enomoto, Plant Mgr.
Solvent cap. 215T, soybean meal, soy oil, protein, flour, and mixed feeds. Served by rail.*

FUJI OIL CO. LTD. (P R SF)
Nissei Midosuji Hachimancho Bldg., 6-1 Hachimancho, Minami-ku, Osaka 542, Ph. 06-213-8151; Plants at: Izumisano and Kobe; Offices at: Fukuoka, Hiroshima, Nagoya, Sapporo and Tokyo.
CONTACT PERSON: Fumio Yuasa, Head Soybean Buyer
Exp. cap. 460T, solvent cap. 500T, storage cap. 10,000T. Cooking oils and fats, oils and fats for use in the food processing industry, margarine and shortening, chocolate, non-dairy cream, coffee whitener, filled cheese, soy protein and a wide variety of protein foods. Served by rail.*

HOHNEN OIL CO. LTD. (P R SF IP)
Mitsui Life Insurance Bldg., 1-2-3, Ohtemachi, Chiyoda-ku, Tokyo, Ph. 211-6511; Plants at: Kobe and Shimizu.
CONTACT PERSON: S. Urushibara, Plant Mgr.
Hexane solvent cap. 1,500T, storage cap. 71,000T, HOHNEN salad oil, HOHNEN tempura oil, soy protein, HOHNEN soy milk, HOHNEN soybean meal, SOYALET mixed feed for dairy and beef cattle, HOHNEN YUTAKAMAME meal for tofu, corn starch, soy lecithin, soybean glue, SOY PRO culture ground for microbes, synthetic resin adhesives and decorative plastic laminates. Served by rail and ship.

JAPAN SOYA PRODUCTS CO. LTD. (P R)
Nihon Daizu Seiyu Co., Ltd., Sumiyoshi-Hamacho, Higashinada-Ku, Kobe.
CONTACT PERSON: Seizi Itai, Pres.
Solvent cap. 55,000MT soybeans, 7,500MT soybean meal, 45% and 50% soybean meal and degummed soy oil.*

KATO OIL MILL CO. LTD. (P R)
2-1-16, UmeMachi, Konohana-ku, Osaka-Shi, Ph. 06-462-0101.
CONTACT PERSON: Y. Jyojya, Plant Mgr.
Exp. cap. 188T, solvent cap. 300T, soybean meal and oil. Served by rail.*

NIKKA FATS & OILS CO. LTD. (P R SF)
5-16, 1-Chome, Edobori, Nishi-ku, Osaka, Ph. 06-441-7431; Plants at: Fukuoka, Kitakyushu, Wakamatsu.
CONTACT PERSON: H. Ishihara, Head, Osaka Branch
Hexane solvent cap. 600MT, high press 2 cap. 300MT, storage cap. 15,000MT, BANZAI soybean meal, soy protein, rapeseed meal, pellets, mixed feed, crude, crude degummed, once refined and fully refined oils, rapeseed oil, NIKKA salad oil, NIKKA tempura oil. Served by truck, rail and ship.*

NIKKO OIL MILLS CO. LTD. (P R SF)
Kanda-Ogawamachi, 2-12 Chiyoda-ku, Tokyo, Ph. 03-233-3960; TLX: 222-4940; Plant at: Mizushima, Kurashki Okayama Pref., Ph. 0864-48-3232.
CONTACT PERSON: F. Nonaka, Mgr. Dir.
2 exp./screw press cap. 400MT/day, solvent cap. 1,200MT/day, storage cap. 55,000MT, NIKKO DASSHIDAIZU, NIKKO MAME and SAKAE MAME soybean meals, rapeseed and other vegetable meal, crude, crude degummed, once refined and fully refined oils, cooking/salad oil, rapeseed oil and other vegetable oils. Served by truck, barge, ship and rail.*

THE NISSHIN OIL MILLS, LTD. (P R SF IP)
23-1, 1-Chome, Shinkawa, Chuo-ku, Tokyo, Ph. 03-555-6923; Plants at: Yokohama and Kobe.
CONTACT PERSON: T. Okumori, Plant Mgr.
4 cont. solvent ext. cap. 3,300T/day, storage cap. 115,000T, DAIKYUI soybean meal, pellets, soy flour, SOY-MEE soybean edible protein, soy oil, NISSHIN salad oil, dressing, BON-LAND margarine, shortening, lecithin, fatty acid, herdened oil, other vegetable oil and meals, approx. soybean operations 600,000T/year.*

RINORU OIL MILLS CO. LTD. (P R SF)
Aminosan Kaikan Bldg., No. 8, 15, 3-Chome Nihombashi, Chuo-ku, Tokyo, Ph. 273-5651; Plant at: Nagoya.
CONTACT PERSON: E. Takasugi, Plant Mgr.
Exp. cap. 280T, solvent cap. 1,300T, storage cap. 1,850,000 bu., soy oil, RINORU salad oil, RINORU safflower salad oil and other vegetable oils, soybean meal and other vegetable meals. Served by rail and ship.

SHOWA SANGYO CO. LTD. (P R SF IP)
2-1, 2-Chome, Uchikanda, Chiyoda-ku, Tokyo, Ph. 257-2020.
CONTACT PERSON: T. Ena, Mgr. Dir.
Continuous solvent cap. 2,200T, storage cap. 285,700T, SHOWA soybean meal, soy oil, salad oil, soybean glue, lecithin, SHOWA soy flour and mixed feeds, SANGYO-MAME soy flour for tofu. Served by ship.*

TOYO OIL MILLS CO. INC. (P R SF IP)
Subsidiary of Ajinomoto Co. Inc., Tokyo; 230 Shinminato, Chiba-Shi 260, Ph. 0472-41-1251.
CONTACT PERSON: N. Tachikawa, Supt.
Solvent cap. 2,000T, storage cap. 83,000MT soybeans, 19,500T soybean meal, and once refined oil. Served by truck, barge and ship..*

YOKKAICHI OIL & FATS CO. LTD. (P R)
3-44 Go, Suehiro-cho, Yokkaichi 510, Ph. 52-5131.
CONTACT PERSON: K. Hattori, Plant Mgr.
Solvent cap. 230T, storage cap. 300,000 bu., soybean meal and oil.

YOSHIHARA OIL MILL LTD. (P SF)
3-6-32 Nakanoshima, Kita-ku, Osaka, Ph. 06-441-8851; Plant at: 49 Fukaehama-machi, Higashinada-ku, Kobe City, Ph. 078-451-4001.
CONTACT PERSON: S. Nakagawa, Plant Mgr.
Solvent cap. 1,500T, storage cap. 40,000T, approx. soybean operations 40,000T/month.

KOREA

CHEIL SUGAR CO. LTD. (P)
23rd Floor, Samsung Main Bldg. 250, 2-KA, Taepyung-RO, Chung-Ku, Seoul, Ph. 28-7533; TLX: K23762; Plant at: 64 2-KA Sinhungdong Chungku Inchon.
CONTACT PERSON: Y.U. Kim, Plant Mgr.
Solvent cap. 700MT/day, WHITE SNOW soybean meal and CHEIL mixed feeds.

DONGBANG OIL AND FLOUR MILLS CO. LTD. (P R SF IP)
No. 2, Yangpyong-dong 4-Ka, Yungdungpo-ku, Seoul, Ph. 633-3921; TLX: K27334 (KOSADB); Plant at: 468 E-dong, Jin Hae, Kyung Nam., Ph. 2-2161-3.
CONTACT PERSON: Myoungsoo Shin, Pres.
Solvent cap. 1,725MT/day, press cap. 150MT/day, storage cap. 1,763,000 bu., soybean meal; crude, crude degummed, fully refined and hydrogenated oils; HAE PYO cooking/salad oil; HAE PYO mixed feed; DONG BANG soy flour; soymilk for nutritional beverage and raw material for ice cream, TSP. Served by truck, rail and ship.*

SAM YANG OIL & FEED CO. LTD. (P)
51-1 Susong-dong, Jongro-ku, Seoul, Ph. 74-3406; TLX: K23275; Plant at: 45-7ka, Hang-dong, Jung-gu, Inchon; Ph. 3-8284.
CONTACT PERSON: Byung Wook Lee, Pres.
Solvent cap. 300MT/day, storage cap. 551,175 bu., SAM YANG soybean meal, mixed feeds, and crude degummed oil. Served by truck.*

LEBANON

SELAATA TERMINAL (P R)
Ste. Huiles et. Derives SAL, P.O. Box 644, Beirut, Ph. 221413; TLX: 20877 (LE).
CONTACT PERSON: Shehadeh Malouf, Mgr.
Solvent cap. 200T/day, storage cap. 30,000MT, soybean meal, mixed feed, fully refined oil. Served by truck and ship.*

MALAYSIA

MALAYAN FLOUR MILLS BERHAD DINDINGS SOYA & MULTIFEEDS SDN. BERHAD (P)
Wisma MCA, 10th Fl., Jalan Ampang, Kuala Lumpur, Ph. 419066, 418344, or 418622; TLX: FLOUR MA30378; CABLE: FLOURMILL KUALA LUMPUR.*

PASIR GUDANG EDIBLE OILS SDN. BHD. (P R)
8th Floor, Wisma Misc., Jalan Conlay, Kuala Lumpur 04-09, Ph. 03-424077; TLX: 30322 (FEDMIL MA); Plant at: P.O. Box 80, Pasir Gudang, Kawasan Pelabuhan, Johor, Ph. 073-66011; TLX: 60678 (PGEOPG MA).
CONTACT PERSON: Kuok Khoon Hong, Mgr.
Hexane solvent cap. 300MT/day, storage cap. 25,000MT. Soybean meal, crude degummed and fully refined oils. Served by truck.*

SOON SOON OIL MILLS SDN BHD (P)
Plot 94, Prai Industrial Estate, Prai, Province Wellesley, Butterworth, Penang, Ph. (04) 348277; TLX: MA 40774 (Silos).
CONTACT PERSON: Dr. Neoh Soon Bin, Mgr. Dir.
Solvent cap. 300MT/day, storage cap. 13,500 MT, soybean meal, crude degummed oil Served by truck and ship.*

MALTA

THE EDIBLE OIL REFINING CO. LTD. (R)
The Refinery, Mgieret Rd., P.O. Box 539, Marsa, Ph. 623613; TLX: 420MW (OIL REF).
CONTACT PERSON: J. Parnis England, Pres.
Refining of vegetable oils and fats.*

MEXICO

ACEITE S.A. (P)
Ciudad Obregon, Sonora.
CONTACT PERSON: La Polar, owner
Exp. solv. cap. 500T.

ACEITE CASA S.A. (P)
Ave. Ceylan, No. 793, Col. Industrial Vellejo; TLX: 177-1716 (CASAME).
CONTACT PERSON: Ing. Enrico Cusi, owner
Exp. solv. (French) cap. 300MT.

ACEITERA LA JUNTA S.A. (P)
Calzada Gobernador Curiel No. 4781, P.O. Box 9-3, Guadalajara, Jalisco, Ph. 12-65-46.
CONTACT PERSON: Ing. Javier Anaya G.
13 exp./screw press cap. 128T, solvent cap. 200T, storage cap. 20,000MT, mixed feeds and pellets, approx. soybean operations 25,000T-30,000T/year. Served by rail.

ACEITERA MATAMOROS, S.A. DE C.V. (P)
Subsidiary of La Polar, Mexico, P.O. Box 476, Av. Uniones s/n, Zona Industrial, H. Matamoros, Tamps., Ph. 2-08-24, 2-08-25.
CONTACT PERSON: Pablo Panaloza, Mgr.
350MT/day French extractor. Served by rail.*

ACEITERA DEL NOROESTE S.A. (P)
Guamuchil, Sinaloa.
CONTACT PERSON: Carlos Esquer, Pres.
Exp. solvent cap 60MT.

ACEITERA EL SALTO S.A. (P)
KM 1-5, Carretera San Martin de las Flores, El Castillo El Salto, Guadalajara, Jalisco, Ph. 35-95-16; TLX: 068-2675.
CONTACT PERSON: Armando Francisco Pujol
10 exp. cap. 100T, solvent cap. 80T, soy flour. Served by rail.

ACEITERA TAPATIA S.A. (P)
Guadalajara, Jalisco.
CONTACT PERSON: Ing. Thomas Limon G., owner
Exp. solvent cap 80MT.

ACEITES GRASAS Y DERIVADOS S.A. (P)
Carr. Tequila KM. 8, Guadalajara, Jalisco.
CONTACT PERSON: Juan Jose Gomez
Exp. solvent cap. 300MT.

ACEITES INDUSTRIALES EL ZAPOTE S.A. (P SF)
Ave. Presidente Juarez, No. 201, Tlanepantla, Ph. 397-53-11.
CONTACT PERSON: Julio Cesar Gomez F.
12 exp. cap. 150T, solvent cap. 120T, storage cap. 740 bu., ASTRO soybean meal, mixed feeds, pellets, soy flour. Served by rail.

ACEITES DEL MAYO S.A. (P)
KM. 1778 Carretera Guadalajara Nogales, Navojoa, Sonora, Ph. 2-34-34; TLX: 055626.
CONTACT PERSON: Ing. Enrique Ibarra Higuera, Gen. Mgr.
Solvent ext. cap. 400MT/day, storage cap. 50,000MT, soybean meal and crude oil. Served by truck and rail.*

ACEITES POLIMERIZADOS S.A. (P R SF IP)
Inguaran No. 5719, Mexico 14 DF, Ph. 577-39-23; Plant at: P.O. Box 14779, Calzada Inquaran 5737.
CONTACT PERSON: Lic. Mario Meraz, Mgr.
6 exp. cap. 70T, DeSmet solvent cap. 70T, storage cap. 560 bu., soybean meal, soy flour, once refined, fully refined and hydrogenated oils, APOLO and CRISOL shortening and cooking/salad oil, soy fatty acid distillates cap. 2,000T/year, epoxidized soybean oil cap. 2,000T/year. Served by truck and rail.*

ACEITES Y DERIVADOS DEL PACIFICO, S.A. DE C.V. (P R IP)
Raul Garcia y Cia S.A., KM 2125, Apdo. 213, Hermosillo, Sonora, Ph. 422-15; TLX: 058-854; Office at: Ave. Ruiz Cortinex 257 Pte., Monterrey N.L.
Solvent cap. 200T, storage cap. 30,000MT. Soybean meal, crude, crude degummed, once refined and fully refined oils. Served by truck and rail.*

ACEITES Y PROTEINAS S.A. (P SF)
Apartado Postal 2063, KM. 6-4, Camino a Novalto, Culiacan, Sinaloa, Ph. 3-09-00; TLX: 066-5713 (APSAME).
CONTACT PERSON: Angel Sanudo Galvan, Plant Mgr.
DeSmet solvent cap. 200T, storage cap. 740 bu., soybean meal and soy flour. Served by rail.

ANDERSON, CLAYTON & CO. (P)
Av. Vallarta, No. 6449, Guadalajara, Jalisco; TLX: 682736 (ACCOME); Plants at: Chavez, Coahuila and Empalme, Sonora.
CONTACT PERSON: Roberto Lerma, Plant Mgr.
Chavez Coahuila Plant: Exp. solvent cap. 200MT; Empalme, Sonora Plant: Exp. solvent cap. 420MT.

FABRICA DE ACEITES LA CENTRAL S.A. (P)
Industrias Gonzalez, Escobedo Sur No. 240, Guadalajara, Jalisco, Ph. 35-00-46; TLX: 0681763.
CONTACT PERSON: Daniel Sada Jr., Mgr.
8 exp. cap. 400T, solvent cap. 400T, PASTA MEX soybean meal. Served by rail.

FABRICA DE JABON LA CORONA, S.A.
P.O. Box 14893, Carlos B. Zetina No. 80, Xalostoc, Edo. de Mexico, Ph. 569-27-00; TLX: 177-1949 COROME.
CONTACT PERSON: Antonio Gonzalez Mendoza, Pres.*

FABRICA DE JABON LA CORONA S.A. DE C.V. (P R SF IP)
Apartado Postal 890, Zona Industrial No. 2, Ciudad Obregon, Sonora, Ph. 3-46-90; TLX: 552-839.

CONTACT PERSON: J.L. Lambarri, Local Mgr.
2 solvent cap. 300T, storage cap. 21,000MT, SOYARINA 50 soybean meal, soy flour, crude, crude degummed, and once refined oils. Served by truck and rail.*

GALLETERA MEXICANA S.A. (GAMESA) (P R SF IP)
Ciudad Obregon, Sonora.
CONTACT PERSON: Ing. Jose Arturo Zablah Kuri, Plng. Dir.
DeSmet solvent cap. 500T, press cap. 500T, storage cap. 60,000MT, soybean meal, crude, once refined, fully refined and hydrogenated oils, MANTECA CLARA shortening. Served by truck and rail.*

GRASAS Y VEGETALES, S.A. (P R IP)
Limon No. 1139, Col. del Fresno, Guadalajara, Jal., 44900, Ph. (36) 12-1980; TLX: 068-1708 GVSAME.
CONTACT PERSON: Jose Luis Velasquez Lopez, Biochem. Engr.
Solvent cap. 36T/day, cont. press cap. 10T/day, storage cap. 10,000MT, soybean meal, crude, crude degummed, once refined, fully refined and hydrogenated oils, shortening, cooking/salad oil. Served by truck and rail.*

HIDROGENADORA NACIONAL S.A. (P)
Rio Lerma y Fulton, Tlanepantla.
CONTACT PERSON: Nicolas Xacur, Pres.
Exp. solvent cap. 250MT.*

INDUSTRIAL ACEITERA S.A. (P)
KM. 20½, Carretera, Cuautitlan, Apartado 182, Tlanepantla; TLX: 017-178656 IASAME.
CONTACT PERSON: Ing. Hector Garcia Padilla, Oper. Mgr.
4 exp. cap. 100T, DeSmet solvent cap. 200T, esp. solvent 350T.*

INDUSTRIAL JABONERA LA ESPERANZA, S.A. (P R SF IP)
Valores Modernos SA, Fte. a la Estacion de los FFCC, Gomez Palacio, Durango, Ph. 4-1044; TLX: 032-877.
CONTACT PERSON: Aureliano Alatorre M., Mgr.
Lurgi solvent cap. 150T, storage cap. 740 bu., soy flour, soy meal, crude, crude degummed, once refined and fully refined oils. Served by truck and rail.*

INDUSTRIAS CONASUPO S.A. (P)
Ciudad Obregon, Sonora; TLX: 032826 (ICPGME); Main office: Mexico DF.
Exp. solvent cap. 350MT.

INDUSTRIAS CONASUPO S.A. (P)
Gomez Palacio, Durango; TLX: 032826 (ICPGME); Main office: Mexico DF.
CONTACT PERSON: Ing. Miguel Cenicero Vazquez, Plant Mgr.
Exp. solvent cap. 300MT.

INDUSTRIAS CONASUPO S.A. (R)
KM. 11½, Carretera San Luis, Mexicali, BC.
French stationary basket extractor 400MT, refinery 100MT.

INDUSTRIAS CONASUPO S.A. (P)
Subsidiary of Compania Nacional de Subsistencias Populares, Rio Amazona, No. 62, Ph. 5358414; Plant at: Cuautitlan.
CONTACT PERSON: Francisco Aguilar, Pres.
French solvent ext. cap. 600MT.

MOLINOS UNION DEL YAQUI S.A. DE CV (P)
Carretera Internacional, KM. 337, Ciudad Obregon, Sonora, Ph. 3-95-61; TLX: 055-813 (MUYME).
CONTACT PERSON: Ing. Ramon Rivera, Mgr.
EMI solvent cap. 500T, storage cap. 150,000MT, soybean meal, crude and crude degummed oil. Served by truck and rail.*

NEGOCIACION INDUSTRIAL SANTA LUCIA S.A. (P)
Av. Heroes de Nocupetaro No. 1022, Morella Michoacan, Ph. 2-01-75.
CONTACT PERSON: Lic. Jorge Diez Gonzalez Cosio, Plant Mgr.
4 exp. cap. 40T, DeSmet solvent cap. 50T, storage cap. 300 bu., SANTA LUCIA soybean meal. Served by rail.

OLEAGINOSAS DE OCCIDENTE S.A. (P SF)
Sabina No. 2052, Colonia del Fresno, Guadalajara, Jalisco, Ph. 1203-48.
CONTACT PERSON: Luis N. Garcia Silva, Mgr.
5 exp. cap. 70T, solvent cap. 50T, storage cap. 365 bu., soy flour. Served by rail.

LA PALMA S.A. (P)
Industrias Gonzales SA, Monterrey, NL, Sidar y Rovirosa, No. 158, Mexico 9 DF, Ph. 522-03-74.
CONTACT PERSON: Jesus Salenas, Mgr.
6 exp. cap. 250T, DeSmet solvent cap. 180T, storage cap. 365 bu.-440 bu., soybean meal. Served by rail.*

LA POLAR FABRICA DE ACEITE HIDROGENADO Y MANTECA VEGETAL, S.A. (P)
P.O. Box 71-134, Av. Manuel Gonzalez 165, Mexico 3, D.F., Ph. 583-40-22; TLX: 1772498 POLAME.
Cap. 150MT/day. Refining cap. 300T/day.*

PRODUCTOS ALIMENTICIOS DELICIAS, S.A. (P SF)
Apartado Postal 376, Zona Industrial Oriente, Cd. Delicias, Chih., Ph. 2-30-93.
CONTACT PERSON: Ing. Joaquin Ponce Aguirre, Gen. Mgr.
Ext. cooker, processing cap. 8T/day, storage cap. 1,000T, full-fat soy flour for human use. Served by rail.*

ROMERO HERMANOS S.A. (P)
Tehuacan, Puebla.
CONTACT PERSON: Eduardo Gamboa
French solvent ext. cap 300MT.

RAUL GARCIA Y CIA., S.A. DE C.V. (P)
Av. Adolfo Ruiz Cortines, No. 257 Pte., Monterrey, Nuevo Leon, Ph. 51-57-00; TLX: 0382648.
CONTACT PERSON: Enrique R. Garcia, Mgr.
Exp. solvent cap. 700T, soybean meal and crude oil. Served by truck and rail.*

TRON HERMANOS Y CIA SUCRS. S.A. (P SF)
Hs. de Nocupetaro, No. 825, Morella, Michoacan, Ph. 2-0222.
CONTACT PERSON: Juan Olliviez, Plant Supt.
5 exp. cap. 30T, DeSmet solvent cap. 70T, storage cap. 550 bu., soy flour. Served by rail.

MOROCCO

CIE MAROCAINE D'HUILERIE (C.M.H) (R)
425, Bd. Moulay Ismail, Casablanca, Ph. 24-50-61; TLX: 25901 (COMAHUIL).
CONTACT PERSON: Takali Tawfik, Gen. Mgr.
Soy oil cap. 12,000T.

LES HUILERIES DE MEKNES (R SF)
Quartier Sidi Said B.P. 2021, Meknes, Ph. 05-314-82; TLX: 41034 (HUILMEK).
CONTACT PERSON: Moulay Messaoud Ben Brahim, Gen. Mgr.
Table oils, olive oil and kernel olive oil.

HUILERIES' DU SOUSS (R)
Quartier Anza, B.P. 135, Agadir, Ph. 08-23130; TLX: 81015.
CONTACT PERSON: El Balss, Gen. Mgr.
Soy oil cap. 20,000T/year, table olives, olive oil and soy oil.

LESIEUR (R)
1 Rue Caporal Corbi, Casablanca, Ph. 246636; TLX: 25674.
Oil refining, soy, olive, sunflower and rapeseed.

OLEAGINEUX DU GHARB (R)
Rue 13, Quartier Industrial, Kenitra, Ph. 016-2466; TLX: 91923.
CONTACT PERSON: Anzemberger, Plant Mgr.
Soy oil cap. 18,000T/year, storage cap. 2,000T.

SIGOHARB (R)
B.P. 168, Quartier Industrial, Kenitra, Ph. 016-2738; TLX: 31720.
CONTACT PERSON: Mohaned Doghmani, Mgr.
Processing cap. 120,000T, degummed soy oil and soymeal.

SOCIETE D'EXPLOITATION DES PRODUITS OLEAGINEUX (SEPO) (P R IP)
2 Rue Du Caporal Corbia, Casablanca, RN, BP 3094 , Ph. 24-10-96; TLX: 25-076.
CONTACT PERSON: Mohamed Smires, Mgr.
6 screw press cap. 250T/day, DeSmet solvent cap. 200T/day, storage cap. 800,000 bu., soybean meal 44% prot., soap 5,000T, soy meal and flour.

SOCIETE OLEICOLE DE MEKNNES (SOME) (R)
Quartier Sidi, BP 248, Meknnes, Ph. 05-30865.
CONTACT PERSON: lahion Hamid, Gen. Mgr.
Oil refining 700T/year, general canning.

SOMATAZ (R)
Rue IBN Kayim, Dokkarat, Fes, Ph. 06-23512, TLX: 51928.
CONTACT PERSON: Tazi Mohamed El Hadi, Gen. Mgr.
Soy oil cap. 40T/shift.

STE. MAROCAINE POUR L'INDUSTRIE OLEICOLE (SOMIO) (R)
8 Rue Miara, Dokkarat, BP 256 Fes, Ph. 06-22251.
Soy oil cap. 40T/shift.

UNIGRAL CRISTAL (R IP)
10-14 Rue Mostapha El Maani, BP 253, Casablanca, Ph. 311176; TLX: 21063.
CONTACT PERSON: Hamdouch Mohamed, Gen. Mgr.
Fully refined oil and soap production cap. 60,000T/year.*

NETHERLANDS

CARGILL B.V. (P R SF IP)
Affiliate of Cargill Inc., Minneapolis, MN, USA; Coenhavenweg 2, Box 8074, 1005AB Amsterdam, Ph. 803-803; TLX: 14081.
CONTACT PERSON: Eef Paalvast, Merch. Mgr.
Solvent cap. 3,200MT, storage cap. 40,000MT, CARGILL soybean meal, crude, crude degummed, once refined and fully refined oils. Served by truck, barge, ship and rail.*

CENTRAL SOYA UTRECHT B.V. (P)
Affiliate of Central Soya Inc.; Everard Meijsterlaan 3, Utrecht, Ph. 030-938141; TLX: 844-47479.
CONTACT PERSON: Arend Teygeler, Mgr.*

KONINKLIJKE BRINKERS MARGARINEFABRIEKEN B.V. (R)
Postbus 209, 2700 AE Zoetermeer, Ph. 079-319310; TLX: 31068.
Refining and hydrogenation of soya oil.

ROTTERDAMSCHE MARGARINE INDUSTRIE ROMI B.V. (R)
Postbus 20, 3130 AA Vlaardingen, Netherlands, Ph. (010) 340 311; TLX: 25770 ROMI NL.
CONTACT PERSON: D.M. Talmon
Fully refined and hydrogenated oil, margarine, shortening and cooking/salad oil. Served by truck and barge.*

SPEELMAN'S OLIEFABRIEKEN B.V. (P)
Delftweg 100, 3043 NA Rotterdam, Ph. 373011; TLX: 21264.
CONTACT PERSON: F. Speelman, Plant Mgr.
Solvent cap. 400T/day.*

UNIMILLS B.V. (P SF IP)
Lindtsedijk 8, 3336 LE Zwijndrecht, Ph. 078-125144; TLX: 29031.
CONTACT PERSON: M.H. Van Mens, Mgr.
Solvent cap. 3,600T/day Europoort, storage cap. 19,500T, UNIMILLS soyameal, complete product range of lecithin for edible, technical and animal applications, soy protein concentrates and extruded textured soy proteins. Served by lighters, barges and lorries.*

NORWAY

A/S DE-NO-FA OG LILLEBORG FABRIKER (P R IP)
Sandakerveien 56, Oslo, Ph. 22-00-50; TLX: 11-181; Plant at: Fredrikstad.
CONTACT PERSON: Odd Bjornstad, Dept. Dir.
Lurgi solvent 900T, approx. soybean operations 250,000T/year, storage cap. 35,000MT, soybean meal, crude, crude degummed, fully refined and hydrogenated oils. Served by truck and ship.*

RYTTERVIK FABRIKKER (P R)
Affiliate of Jens Hetland, Egersund, Ph. 491581; TLX: 33094.
CONTACT PERSON: Jens Hetland, Plant Mgr.
Solvent cap. 400T, storage cap. 900,000 bu., soybean meal and raw and refined soy oil.*

PERU

CALIXTO ROMERO S.A. (P)
Arequipa N° 802, P.O. Box 100, Piura, Ph. 325352; Plant at: San Jacinto, Ph. 322991.
CONTACT PERSON: Victor Quijandria, Mgr.
4 exp./screw press cap. 80MT, Miag continuous solvent cap. 65MT, storage cap. 15,000MT, soybean meal.

COMPANIA OLEAGINOSA DEL PERU S.A. (P R SF)
Apartado 2965, Lima 1, Ph. 52-5570; Plant at: Av. Argentina, N° 5027, Callao.
CONTACT PERSON: Carlos Castro, Mgr. Dir.
4 exp./screw press cap. 220T, DeSmet solvent cap. 200T, storage cap. 20,000T, approx. soybean operations 15,000T/year, salad oils, shortening, margarine and raw material for mixed feeds.*

SINDI S.A. (P)
Av. Central 643-10° Piso, San Isidro, Lima. Ph. 40-35-47; TLX: 21187 (PE SINDI); Plant at: Amazonas S/N Piura.
CONTACT PERSON: Enrique Garcia Verano, Plant Mgr.
2 exp./screw press cap. 40T, solvent cap. 25T, storage cap. 5,700T.

UNION COMERCIAL INDUSTRIAL S.A. (R)
Piura, Ph. (044) 322041.
CONTACT PERSON: Eduardo E. Palma L., Gen. Mgr.
Fully refined oil. Served by truck and ship.*

PHILIPPINES

UNIVERSAL ROBINA CORP. (P R SF IP)
E. Rodriguez Ave., Bagong Ilog, Pasig, Metro Manila, Ph. 693-2180; TLX: 3828 (CFCURC PN).
CONTACT PERSON: Henry L. Go, Sr. VP
Solvent hexane cap. 120T-150T, storage cap. 23,000MT, STARFEEDS 555 mixed feeds and pellets, meal, crude and fully refined oils, approx. soybean operations 80%, 2,000T/month. Served by truck and barge.*

PORTUGAL

IBEROL SOC. IBERICA DE OLEAGINOSAS SARL (P)
Av. Frei Miguel Contreiras, 54-A-3°, P.O. Box 5092, 1700 Lisbon, Ph. 888176; TLX: 12422 (IBEROL); Plant at: Alhandra, Ph. 2501921.
CONTACT PERSON: Mario B. Pimentel, Mgr.
DeSmet solvent, Iberol 44% and 50% soybean meal. Served by rail.

TAGOL, COMPANHIA DE OLEAGINOSAS DO TEJO SARL (P SF)
Av. Republica 44, 4 Esp. Lisbon 1, Ph. 767521; TLX: 14187 (TAGOL P); Plant at: Palenca de Baixo-Almada, Ph. 2762584.
CONTACT PERSON: Manuel Mourao, Dir.
Solvent cap. 2,000MT, storage cap. 42,000MT, TAGOL soybean meal, crude degummed oil, Sol mixed feeds and pellets, Tagol soy flour. Served by truck, barge and ship.*

SCOTLAND

FOODS & FEEDS U.K. LIMITED (P)
King George V. Dock, Shieldhall, Glasgow, Ph. (041) 455 3864/041 445 4517; TLX: 776174 (FDSFDS G).
CONTACT PERSON: B.P. Agrawalla, Mgr. Dir.
Solvent cap. 500T/day, continuous press cap. 650T/day, storage cap. 39,000T, soybean meal, pellets, crude and crude degummed oil. Served by truck, rail, barge and ship.*

SOUTH AFRICA

S.A. OIL MILLS (PTY) LTD. (P SF)
Subsidiary of Tiger Oats & National Milling Co. Ltd., Main Reef Rd., Randfontein, Transvaal 1760, Ph. 011-6921720; TLX: 8-7825.
Soy oil expressing and extraction.

SPAIN

ACEITES Y PROTEINAS S.A. ACEPROSA (P R SF)
Repelega, Portugaleta, Vizcaya, Ph. 94-425-45-00; TLX: 32753.
CONTACT PERSON: Fernando De Diego, Mgr.
Press cap. 300T, hexane solvent cap. 1,800T, refinery cap. 250T, storage cap. 200,000 bu., ACEPROSA soybean meal, EMULSOY 200 mesh soy flour, ACEPROSA lecithin, refined oil. Served by rail.

ACEITES VEGETALES S.A. (ACEVESA) (P)
Caracas 23, Madrid 4, Ph. 419-55-12; TLX: 27269; Plant at: Cartagena, Murcia.
CONTACT PERSON: D. Antonio Contreras Gongora, Plant Mgr.
Hexane solvent cap. 200MT, storage cap. 400,000 bu., ACEVESA soybean meal.

ARLESA (P R SF)
Castell de Pop, 33 Nazaret, Valencia 11, Ph. 23-12-78; Main office: Avda. Generalisimo, 61-8A P, Madrid 16, Ph. 279-63-00.
CONTACT PERSON: Alberto Mendez, Supt.
DeSmet solvent cap. 765T, storage cap. 924,000 bu., soybean meal, soy oil and lecithin.

ARLESA-EXISA (P R SF)
Carretera del Copero SN Punta del Verde, Sevilla, Ph. 61-02-00; TLX: 27784.
Solvent cap. 400T, storage cap. 590,000 bu., soybean meal and soy oil.*

ARLESA-EXTRASUR (P SF)
Carretera del Copero SN Punta del Verde, Sevilla, Ph. 69-04-58; TLX: 27784.
Krupp solvent cap. 350T, storage cap. 300,000 bu., soy flour.*

COMPANIA INDUSTRIAL Y DE ABASTECIMIENTOS S.A. (P R SF)
Affiliate of Cargill Inc., Avda. de los Madronos, No. 31, Madrid 33; TLX: 44373 (CIND E); Plants at: Muelle Transversal-Tarragona and Muelle Alvarez do la Campa-Barcelona.
CONTACT PERSON: Javier Losantos, Undergen. Mgr.
Crushing cap. 2,400T, storage cap. 3,000,000 bu., crude, crude degummed and fully refined edible soybean meal and oil, CINDO-AMPUR cooking/salad oil. Served by truck, rail and ship.*

KELSA S.A. (P)
El Burgo, La Coruna, Ph. 661-150; TLX: 82142.
CONTACT PERSON: Ramon Pitarque Gorospe, Plant Mgr.
Cap. 900T/day, storage cap. 1,500,000 bu. Served by Sobre Propia Fabrica.

OLEAGINOSAS ESPANOLAS, S.A. (P SF)
Nunez de Balboa, 108, Madrid-6, Ph. (91) 262-96-03/261-54-02; TLX: 45302/46918 (OLEA E); Other location: Barcelona.
CONTACT PERSON: Jose Urbelz, Comm. Mgr.
Solvent cap. 2,200T/day, storage cap. 40,000MT, soybean meal, pellets, lecithin and crude degummed oil. Served by truck, rail and ship.*

PROTEINAS Y GRASAS S.A. (P)
Reus, Tarragona, Ph. 211208; TLX: 56802.
CONTACT PERSON: Alejandro de Mollinedo, Pres.
DeSmet hexane solvent cap. 700T, storage cap. 1,200,000 bu.

SOCIEDAD IBERICA DE MOLTURACION S.A. (P)
Paseo de Recoletos, 16-7°, Madrid 1, Ph. 225-4524; TLX: 27216; Plant at: Pontejos, Santander, Ph. 435-3400; TLX: 35860.
CONTACT PERSON: J.M. Loscertales, Mgr.
3 exp./screw press cap. 240T/day, DeSmet solvent cap. 2,000T/day, storage cap. 2,000,000 bu., PROTESOYA and SUPERSOYA soybean meal.*

SWEDEN

MARGARINBOLAGET AB (R)
Box 30025, S-104 25 Stockholm, Ph. 08-54-13-60; TLX: 195-71 (MARG S); CABLE: MARGARIN STOCKHOLM.
CONTACT PERSON: Lars Edstrom*

SWITZERLAND

FLORIN LTD. OIL & FATWORKS (P)
Hofackerstrasse 54, CH-4132 Muttenz, Ph. 061-61-01-01; TLX: 62436; Plant at: Basel.
CONTACT PERSON: R. Florin
Exp. cap. 80T, storage cap. 2,000T, FLORIN soybean meal. Served by rail.*

SAIS (P)
Affiliate of Unilever NV Rotterdam; Forrlibuckstrasse 10, CH-8031 Zurich; Plant at: 9326 Horn, Ph. 01-44-44-71.
CONTACT PERSON: E.A. Wyss, Plant Mgr.
Exp./solvent cap. 300T, storage cap. 800,000 bu. Served by rail.*

TAIWAN

ALL SINCERE INDUSTRIAL CO. LTD. (P R SF)
38 Chung Shan Rd., Luchu, Kaohsiung, 821, Ph. 064-862201; Office at: 11th Floor, 27, Sec. 1, Changan E. Rd., P.O. Box 1851, Taipei, Ph. 02-394-5147.
CONTACT PERSON: C.H. Tsai, Pres.
Exp. cap. 25T/day, solvent cap. 300T/day, storage cap. 40,000T, YUAN PAO feeds, soybean meal, salad oil, corn oil and grits, swines and canned foods.*

CHIA FHA INDUSTRY CO. LTD. (P R SF)
29 Tattung St., Shalu, Taichung, Ph. 046-223221; Plant at: 1 Chunlin Rd., Erchiao Village, Hsiaokang, Kaohisiung, Ph. 07-8219571.
CONTACT PERSON: A.Y. Hung, Plant Mgr.
Solvent cap. 200T, storage cap. 30,000T, FUSHOU soybean meal, cake, mixed feeds, soy oils, salad and safflower oil.*

CHIA HSIN FLOUR, FEED & VEG. OIL CORP. (P R SF)
1-teh Li, Peitou, Taipei, Ph. 02-8912253; Office at: 6th Floor, 219 Sec. 4, Chunghsiao E. Road, Ph. 02-7525320.
CONTACT PERSON: C.S. Chang, Plant Supt.
Solvent cap. 200MT, storage cap. 50,000MT, CHIA HSIN soybean meal, mixed feeds and pellets, CHIA HSIN salad oil, swines, and soy oil, wheat flour milling. Served by rail.*

CHUAN YUAN OIL MILL CO. LTD. (P R SF)
117 Hweilai St., Yuanlin, Chang Hwa, Yanlin 510, Ph. 048-323464.
CONTACT PERSON: S.F. Liang, Oil & Meal Sales Mgr.
Solvent cap. 450T, storage cap. 7,000T, YUAN CHUAN soybean meal, mayonnaise, refined soy oil and CHUAN YUAN salad oil and mixed feeds, approx. soybean operations 96%.*

EAGLE INDUSTRY CORP. (P R SF)
427 Chen Kong Rd., Shanhua, Tainan Hsien, Shanhua 741, Ph. 064-838201; Office at: 12th Floor, 310 Sec. 4, Chung Hsiao E. Rd., Taipei, Ph. 02-7811161.

CONTACT PERSON: I.C. Soo, Plant Mgr.
Solvent cap. 250T-300T, storage cap. 700,000 bu., EAGLE soy salad oil, soybean meal. Served by rail.*

GREAT WALL ENTERPRISES CO. LTD. (P R SF)
Tainan, Yungkang 711, Ph. 062-231111; Office at: 8th Floor, 310 Sec. 4, Chung Hsiao E. Rd., Taipei, Ph. 02-7716677.
CONTACT PERSON: K.L. Tseng, Plant Mgr.
Solvent ext. cap. 200T, storage cap. 15,000T, FONG NANG soybean meal, FU-NONG mixed and pellet feeds, refined soy oil, salad oil, lecithin, wheat flours, chinese noodles.*

HSIAOKANG SUGAR MILLS TSC (P R SF)
133 Hsiaokang Rd., Kaohsiung 800, Ph. 07-8214160; Office at: 25 Paoching Rd., Taipei, Ph. 02-3110521.
CONTACT PERSON: J.N. Wu, Plant Mgr.
Solvent cap. 340T, storage cap. 22,000T, CAHHO soybean meal and TAITANG salad oil, soy flour, mixed and pellet feed.*

HUIE SHENG OIL MILL CO. LTD. (P R SF)
618 Fwanchiu Rd., Kaohsiung, Luchu 821, Ph. 064-863-311; Office at: Miaoli, 102 Wenshan, Wenshan Li, Ph. 037-320826.
CONTACT PERSON: S.C. Wang, Plant Mgr.
Solvent cap. 300T, storage cap. 18,000T, SHENG-LI soybean meal and oil, salad oil, commercial lecithin and mixed feeds, swines. Served by rail.*

PRESIDENT ENTERPRISES CORP. (P R SF)
2-20 Yan Harng, Yangkang, Tainan, Yungkang 711, Ph. 062-232171; Office at: 5th Floor, 66-1 Sec. 1, Chungking S. Rd., Ph. 02-3317571.
CONTACT PERSON: M.T Chiu, VP
Solvent cap. 250MT, storage cap. 45,000T, TUNGYI salad oil, soy oil and meal, pellets and mixed feeds, commercial lecithin, shortening, margarines, sesame oil, soy sauce, soy milk, canned foods, swines, dairy products, wheat flour, chinese noodles and breads.*

TAI HWA OIL INDUSTRIAL CO. LTD. (P R SF)
52-1 Minchu 1st Rd., San-Ming District, Kaohsiung 800, Ph. 07-2313166; Office at: 37 Lane 67, Linsheng N. Rd., Taipei, Ph. 02-5110121.
CONTACT PERSON: Y.P. Chen, Plant Mgr.
Solvent cap. 200MT, storage cap. 20,000MT, CHING-LU soybean meal, fully refined oil and GOLD brand soy cooking/salad oil and safflower oil.*

TAY SHAN ENTERPRISE CO. LTD. (P R SF)
Fuchiung Rd., Chang Hwa, Yuanlin 510, Ph. 048-322122; Plant at: Tienchung; Office at: 14th Floor, 178 Sec. 2, Nanking E. Rd., Taipei, Ph. 02-5214152.
CONTACT PERSON: J.C. Chan, Head Soybean Buyer
Solvent cap. 500T, storage cap. 15,000T, TAY SHAN soybean meal, mixed feeds, pellets and soy oils, salad oil, safflower oil, swines, canned foods.*

THAILAND

INDUSTRIAL ENTERPRISES CO. LTD. (P R SF IP)
179 Surawongse Rd., Bangkok, Ph. 2354855-9; Plant at: 39-6 Tivanon Rd., Pak Kret, Nonthaburi, Ph. 5884147.
CONTACT PERSON: Viraj Sasivongbhakdi, Asst. Mgr. Dir.
Solvent cap. 600T/day, storage cap. 60,000T, pellets, soybean meal, crude, crude degummed and fully refined oils, TIP cooking/salad oil, soaps. Served by truck, barge and ship.*

NAKORNCHAISRI OIL INDUSTRIAL CO. LTD. (P R)
829-835 Opp. Talad Plu Railway Station, Dhonburi, Bangkok, 465-0659, 466-0529.
CONTACT PERSON: Chaiyong Vitayathanagorn, Adm. Mgr.
Solvent cap. 150T/day, storage cap. 12,000MT-15,000MT, soybean meal, crude, crude degummed, once refined and fully refined oils, GRAPE cooking/salad oil. Served by truck and barge.*

THAI THEPAROS FACTORY ROP. (P SF)
206 Moo 6, Taiban Rd., Samutpragarn, Ph. 3950177.
CONTACT PERSON: Somsakdi Vacharothayangul, Factory Mgr.
5 exp./screw press cap. 20T/day, storage cap. 750T, crude oil and soy sauce. Served by truck.*

THANAKORN VEGETABLE OIL PRODUCTS CO. LTD. (P)
P.O. Box 13-5, Phra Pradaeng, Bangkok 13, Ph. 462-5905; Plant at 99 Soi Thanakorn, Phra Samut Jedi Rd., Samut Prakarn.
CONTACT PERSON: Vibul Sarakitpricha, Pres.
Solvent cap. 400T, storage cap. 60,000T, pellets, approx. soybean operation 120,000T/year.

TUNISIA

AFRICA SARL (R)
Rte. de Monastir, Sousse, Ph. 20-774; CABLE: AFRICA SOUSSE USINE.
Soy oil refining.

COMMERCIALE ET INDUSTRIELLE SARL (R)
Rte. de Monastir, Sousse, Ph. 21-867; CABLE: SOHACI SOUSSE USINE.
Soy oil refining.

COOP. AGRICOLE ET INDUSTRIELLE ZOUILA (R)
Ave. Parnet Hached, Mahdia, Ph. 81-584; CABLE: ZOULICAOP.
Soy oil refining.

COOP. OLEICOLE TNE. (R)
Rte. de Monastir, Sousse, Ph. 20-387.
Soy oil refining.

SATHOP (R)
Plage Poudriere, Sfax.
Soy oil refining.

SAVONNERIE AFRICAINE S.A. (R)
Rte. de Sousse, KM. 5-8, Tunis, Ph. 295-503; TLX: 12-548 (USINE).
Soy oil refining.

SIOS-ZITEX (R)
Route de Gabes, SFAX.
Soy oil refining.

SMOILIVE (R)
Route de Gabes, SFAX.
Soy oil refining.

STE. MONASTIRIENNE (R)
Rue du Port, Monastir, Ph. 61-379.
Soy oil refining.

STE. MONCEF ABDELMAOULA (R)
Rte. du Kef, Den-Den, Tunis, Ph. 210-008.
Soy oil refining.

STE. STARHUIL (R)
Jebel Jelloud, Tunis, Ph. 491-684.
Soy oil refining.

TURKEY

SUMERBANK ORDU SOYA SANAYII MUESSESESI (P R SF IP)
Affiliate of Sumerbank, Ordu, Ph. 1420; TLX: 82168 (SUSO TR).
CONTACT PERSON: Zafer Albayrak, Plant Supt.
Solvent cap. .8T/day, storage cap. 10,000T, soybean meal, crude oil, SUMERBANK soy oil, soy flour and raw lecithin.*

VENEZUELA

COROIL, C.A. (R)
Avenida Lisboa, Quinta Costa Brava La California Norte, Caracas, Miranda, 61313, Ph. (58) 21-52-24 or 21-84-35; TLX: 24946 Coroi VC.
CONTACT PERSON: Antonio Navarro Mendez, Pres.
Crude, crude degummed, once refined, fully refined, hydrogenated and fractionated oils; margarine; shortening; and cooking/salad oil. Served by truck, rail and ship.*

EXTRACTORA NACIONAL DE OLEAGINOSAS S.A. (ENDOSA) (P R SF IP)
Protinal CA, P.O. Box 83, Valencia, Ph. 34 20 11; Plant at: El Morro, Valencia.
CONTACT PERSON: Ing. Omar Hernandez
Solvent cap. 180T/day, storage cap. 420,000 bu., PROTINAL soybean meal, mixed feeds, SOYARINA soy flour, crude, once refined and fully refined oils, industrial lecithin, industrial soy flour, industrial soy oil, approx. soybean operations 45,000T/year. Served by truck.*

C.A. FACEGRA (P R SF)
Av. Navas Spinola, c/c Farriar-Apdo. No. 1, Valencia, Carabobo, Ph. (045) 71.13.30, 71.11.27, 71.11.52 or 71.48.70; TLX: 41171.
CONTACT PERSON: Saul Hernandez Yanez, Gen. Plant Mgr.
Solvent cap. 170T/day, storage cap. 20,000MT; crude, crude degummed, once refined, fully refined and hydrogenated oils; ACEITE EL REY cooking/salad oil. Served by truck.*

C.A. GRASAS DE VALENCIA (P)
Av. Henry Ford, Zona Industrial Sur., Valencia, Ph. 332022; TLX: 41352.
CONTACT PERSON: Julio Martinez, Plant Mgr.
Solvent cap. 250T.*

LAS LLAVES S.A. (P R)
Avenida Principal Los Cortijos de Lourdes, Caracas, Ph. 34-31-31; TLX: 42-480 (LLAVE);Plant at: Avenida La Paz, Puerto Cabello.
CONTACT PERSON: Anibal Rojas, Dir.
Solvent cap. 150T, storage cap. 30,000 bu., LAS LLAVES soybean meal, hydrogenated and fractionated oils, MAVESA and NELLY margarine, LA CAMPANA shortening, VATEL and NELEITE cooking/salad oil, approx. soybean operations 10,000T. Served by truck.*

PROMASA S.A. (P SF)
Encrucijada Chivacoa, Estado Yaracuy; Office at: Productos de Maiz, S.A., Ph. 76-77.
CONTACT PERSON: Gustavo Reyes, Chief
Exp. cap. 50T, solvent cap. 100T, storage cap. 150,000 bu., PROCRIA soybean meal, mixed feeds, pellets, soy flour, approx. soybean operations 40%.

ZIMBABWE

BLUE RIBBON FOODS LTD. UNITED REFINERIES DIVISION (P)
P.O. Box 873, Bulawayo, Ph. 68531; TLX: 3347 (RH).
CONTACT PERSON: N. Stacey, Plant Mgr.
5 exp./screw press cap. 165T/day, Extractotechnics solvent cap. 175T/day, storage cap. 16,000T, soybean meal, WIGHTMANS mixed feeds and pellets. Served by rail.

soyfood manufacturers

*Updated listing of non-U.S. firm.

BREAKFAST FOODS, DESSERTS & SNACKS

UNITED STATES

BEST FOODS DIV.
CPC INTERNATIONAL INC.
International Plaza, Englewood Cliffs, NJ 07632, Ph. 201-894-4000; Plants at: San Francisco and Santa Fe Springs, CA; Chicago, IL; Bayonne, NJ.
Frozen desserts.

DURKEE FOODS DIV., SCM CORP.
900 Union Commerce Bldg., Cleveland, OH 44115, Ph. 216-771-5121; Refineries at: Chicago and Joliet, IL.
CONTACT PERSON: Leonard S. Milazzo, VP Mfg./Eng.
KAOLA, WHITE CREST and POLYPLUS D frozen desserts.

FEARN SOYA FOODS
DIV. OF RICHARD FOODS CORP.
4520 James Pl., Melrose Park, IL 60160, Ph. 312-345-2335.
FEARN'S wheat cereal and soy.

NABISCO FOODS INC.
Biscuit Div., East Hanover, NJ 07936, Ph. 201-884-0500.
Cookies, crackers and snacks.

QUONG HOP & CO.
161 Beacon St., South San Francisco, CA 94080, Ph. 415-873-4444.
CONTACT PERSON: Jim Miller, Mktg. & Sales
NEW LEAF quality soyfoods.

WORTHINGTON FOODS
Div. of Miles Laboratories, 900 Proprietors Rd., Worthington, OH 43085, Ph. 614-885-9511.
CONTACT PERSON: Frank Poston, Prod. Mktg.

CHILE

SARANDI CHILE LTDA.
Los Tres Antonios 36 - Nunos, Santiago, Ph. 2252503-42918.
CONTACT PERSON: Ruperto Cabello, Prod. Mgr.
Breakfast foods.

ENGLAND

SOYA FOODS LTD.
New Malden House, 1 Blagdon Rd., New Malden, Surrey KT3 4TB, Ph. 01-949-2141; TLX: 896660; Plant at: Jacob St., Bermondsey, London SE 1.
CONTACT PERSON: Roger Woodfield, Prod. Dev. Mgr.
Ice cream products.*

INDIA

JINDAL SOLVENT EXTRACTIONS
Kashipur-244713, Ph. 270 and 292.
CONTACT PERSON: Devendra Kumar Agrawal
Breakfast foods, desserts and snacks.*

PRESTIGE FOODS PRIVATE LIMITED
32, 11-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
PRESTIGE breakfast foods, desserts and snacks.*

ITALY

LUCAS MEYER S.R.L.
Via Venezia 34, Vigonza (PD), 35010, Ph. (049) 629011; TLX: 430145 GIPAI.
CONTACT PERSON: Axel Skulte, Pres.
Breakfast foods, desserts and snacks.*

MEXICO

ALIMENTOS COLPAC
KM 13 Carratera Huatabampo, Apartado No. 502, Navojoa, Sonora, Ph. 2-08-42.
Cereal.

PHILIPPINES

UNIVERSAL ROBINA CORPORATION
E. Rodrigues Ave., Bagong Ilog, Pasig, Metro Manila, Ph. 693-2180; TLX: 3828 (CFCURC PN).
CONTACT PERSON: Henry L. Go, Sr. VP
Breakfast foods, desserts and snacks.*

LECITHIN

UNITED STATES

AMERICAN LECITHIN CO. INC.
32-34 61st St., Woodside, L.I., NY 11377, Ph. 212-274-4350; TLX: 54-2238.
CONTACT PERSON: M. Gillio, Exec. VP
Soybean lecithins and derivatives, lecithinated flours, and dietary supplements based on lecithin.

ARCHER DANIELS MIDLAND CO.
4666 Faries Pkwy., Decatur, IL 62526, Ph. 800-637-5850.
CONTACT PERSON: Robert Sullenberger, VP, Soy Spec. Div.
Manufacturer of lecithin products for edible and industrial trade.

CENTRAL SOYA
Chemurgy Div., 1300 Fort Wayne National Bank Bldg., P.O. Box 1400, Fort Wayne, IN 46801-1400, Ph. 219-425-5181; TLX: 27-61-70 CEN-SOYA FW/A A.
CONTACT PERSON: Jack Self, Natl. Sls. Mgr.
A complete line of CENTROL lecithin products for the edible, industrial and pharmaceutical fields. Natural, modified and oil-free lecithin.

W.A. CLEARY CORP.
(CLEARY TRADING CORP.)
1049 Somerset St., Somerset, NJ 08873, Ph. 201-247-8000.
Manufacturer of purified, crude and water soluble soy lecithin.

FEARN SOYA FOODS,
DIV. OF RICHARD FOODS CORP.
4520 James Pl., Melrose Park, IL 60160, Ph. 312-345-2335.
FEARN'S liquid and mint flavor liquid lecithin.

FOOD TECHNOLOGY PRODUCTS
5903 Northwest Hwy., Chicago, IL 60631, Ph. 312-631-4545.
CONTACT PERSON: Gloria Anderson, S. Mgr.
Hydroxylated lecithin for baked, dairy and confectionery foods. Research and development.

HONEYMEAD PRODUCTS CO.
Mankato, MN 56001, Ph. 507-625-7911.
CONTACT PERSON: Dave Schostag
Fluid and plastic grades of lecithin.

LEEDS LABORATORIES LTD.
1643 E. Genesee St., P.O. Box 6168, Syracuse, NY 13217, Ph. 315-475-1671.
CONTACT PERSON: Peter H. Mylon, VP
Lecithin granules and capsules.

LUCAS MEYER INC.
Div. of Lucas Meyer Hamburg, 765 E. Pythian Ave., Decatur, IL 62526, Ph. 217-875-3660; TLX: 40-4387.
Soy lecithin in modified and deoiled grades for food, dairy, industrial and pharmaceutical applications.

RICELAND FOODS
Main office: 2120 S. Park Ave., P.O. Box 926 Stuttgart, AR 72160, Ph. 501-673-5500; Other location: Helena, AR.
Lecithin.

ROSS & ROWE
Div. of Archer Daniels Midland Co., P.O. Box 1409, Decatur, IL 62525, Ph. 217-424-5804; Other location: 554 S. Front St., Elizabeth, NJ 07202.
Manufacturer of the complete line of YELKIN lecithin products.

A.E. STALEY MFG. CO.
Lecithin Dept., P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411.
Lecithin for chocolate, margarine, baking and other food and feed uses. STASOL "R" water dispersible lecithin, bleached and unbleached fluid grades.

BRAZIL

FAROL S.A.-IND. GAUCHA
DE FARELOS E OLEOS
Avenida Borges de Medeiros 659-12th Flr., Porto Alegre, 90000, Ph. (512) 33-79-88; TLX: 51-1732 STEF BR; Other plants: Estrela, RGS; Feliz, RGS; Sapucaia Do Sul, RGS; Ituiutaba, MG.
CONTACT PERSON: Stefan Wenzel, Export Dir.
Lecithin.*

INCOBRASA
INDUSTRIAL E COMERCIAL
BRASILEIRA S.A.
Edificio Formac, 24th Floor, Porto Alegre, Ph. 24-3372; 21-9249; 21-7014; TLX: 051-1777 (INBR BR); Plant at: Rua Hermes da Fonseca, 2255 Vila Rio Branco, Canoas.
Fluid lecithin.

S/A MOINHOS RIO GRANDENSES
(SAMRIG)
Rua de Coneicao, 195, Porto Alegre, RGS, Ph. 24-1033; 24-1922; TLX: 028778 (SAMRIG PAE).
LECSAM lecithin.

CANADA

CANADA PACKERS INC.
CHEMICAL DIV.
5100 Timberlea Blvd., Mississauga, Ontario L4W 2S5, Ph. 416-624-7000.
Lecithin.*

CANADIAN VEGETABLE OIL PROCESSING
Div. Canada Packers Inc., Victoria Ave. & Burlington St., Hamilton, Ontario, Ph. 416-527-9121; TLX: 061-8315.
CONTACT PERSON: Paul W. Glenney, Asst. Gen. Mgr.
Lecithin - C.V.O.P.*

MAPLE LEAF MONARCH CO.
365 Evans Ave., Toronto, Ontario M8Z 5W7, Ph. 416-252-5551; TLX: 06-984560; Plant at: Windsor, Ontario.
CONTACT PERSON: Be Nijhuis, Indus. Oil Mgr.
Lecithin.*

COLOMBIA

GRASAS S.A.
Calle 11, No. 18-113, Apartado Aereo 85, Buga-Valle, Ph. 2021; TLX: 05866.
CONTACT PERSON: Alberto Angel Leon, Pres.
LAGARZA lecithin.*

LLOREDA, GRASAS
Y ACEITES VEGETALES S.A.
Autopista Cali Yumbo Kilometro 3, Ph. 68211119; TLX: 055-711 (LLOGR CO).
CONTACT PERSON: Guillermo Baron, S. Mgr.
LLOREDA lecithin.*

ENGLAND

THE BRITISH ARKADY CO. LTD.
Old Trafford, Manchester M16 ONJ, Ph. 061-872-7161; TLX: 668488.
CONTACT PERSON: J.R. Mahlich, Mgr. Dir.
Lecithin.*

FEDERAL REPUBLIC OF GERMANY

LUCAS MEYER GmbH
Ausschlaeger Elbdeich 62, 2000 Hamburg 28, Ph. 781701.
Edible lecithin and lecithin products for the food and pharmaceutical industry. Fluid, deoiled and fractionated grades.*

NATTERMANN CHEMIE GmbH
Nattermannallee 1, D-5000 Koln 30, Ph. 509-1; TLX: 8881928.
A complete line of lecithin products; Natural, modified, fractionated and oil-free lecithin.*

O. & L. SELS KG
Duesseldorfer Str. 101, D-4040 Neuss/Rhein, Ph. 02101/24054; TLX: 8517835 sels d.
Lecithin.*

OELMUEHLE HAMBURG AG
P.O. Box 930 320, KohlbrandstraBe 1, D-2102 Hamburg 93, Ph. 75-19-41; TLX: 02-163537.
CONTACT PERSON: A.V. Wissel, VP
Lecithin.*

STERN-LECITHIN GmbH
An der Alster 81, D-2000 Hamburg 1, Ph. 040/24 64 51-53; TLX: 02 162 052 star d.
Oil-free granular lecithin in 225-gram cans.

C.THYWISSEN
Industriestrasse 33, Postfach 71, D-4040 Neuss, Ph. 02101/26 0 81; TLX: 08517803.
CONTACT PERSON: Josef Richter, Plant Mgr.
Lecithin.*

UNIMILLS
VERTRIEBSGESELLSCHAFT FUR
ERNAHRUNGSFETTE
Ole und Futtermittel mbH, Dammtorwall 15, Unileverhaus, Box 101509, Ph. 040- 34901; TLX: 214571 (UMIL D).
BOLEC lecithins, complete line.*

FRANCE

SOCIETE INDUSTRIELLE
DES OLEAGINEUX: SIO
Direction Proteines, Groupe Lesieur, 122 Av. du General De Gaulle, Boulogne-Billancourt, 92103, Ph. (1) 604 30 32; TLX: 260917 (SOLEAG).
CONTACT PERSON: Guy Deneck, Proteins Dir.
Lecithin.*

INDIA

MANGLIAGAON (M.P.) GENERAL FOODS PRIVATE LTD.
150, Jaora Compound, Indore-452001, Ph. 6889 or 7467; TLX: 0735-203.
CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Lecithin.*

PRESTIGE FOODS PRIVATE LIMITED
32, 11-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
PRESTIGE lecithin.*

ISRAEL

ETZ HAZAITH LTD.
P.O. Box 193, Petah-Tikva, Ph. 927171; TLX: 341859; Plant at: Kiryat Aryeh, Petah-Tikva.
Lecithin.*

OLIVEX LTD.
25 Rothschild Blvd., P.O. Box 1498, 61014 Tel-Aviv, Ph. 614451; CABLE: EXOLIV; Plant at: Petah Tiqua.
CONTACT PERSON: Dr. Wolf Cegla, Dr. Uriel G. Cegla or Ronit Silon
Lecithin.*

SHEMEN INDUSTRIES LTD.
P.O. Box 136, Haifa 31000, Ph. 04-670491; TLX: 46776 (KFood IL).
CONTACT PERSON: Yaacov Shefy, Plant Mgr.
Lecithin.*

ITALY

GIACOMO COSTA FU ANDREA S.p.A.
Via Gabriele d'Annunzio 2, Genova, Ph. 010-54831; TLX: 270068 (COSTA I); Plant at: Vignole Borbera (Alessandria).
CONTACT PERSON: Domenico Costa
Lecithin.*

ITALIANA OLII E RISI S.p.A.
Via Romolo Gessi, 20, Ravenna, Ph. 31222; Plants at: Aprilia, Latina; Porto Corsini, Ravenna; Porto Marghera, Venice.
LECITOIL soy lecithin.

LIQUIFARM-GRUPPO INDUSTRIE ALIMENTARI S.p.A. IN AMMINISTRAZIONE STRAORDINARIA
Via L da Vinci 19, Livorno, Ph. 34731; TLX: 500053; CABLE: GIAMIX.
CONTACT PERSON: Dr. Eugenio De Biase, Plant Mgr.
Lecithin.*

LUCAS MEYER S.R.L.
Via Venezia 34, Vigonza (PD), 35010, Ph. (049) 629011; TLX: 430145 GIPAI.
CONTACT PERSON: Axel Skulte, Pres.
Lecithin.*

S.I.O. MODENA S.p.A.
Via Farini, N. 56, Modena, 4110, Ph. (059) 22 2571; TLX: 510 138 (SIO MO I).
CONTACT PERSON: Mario Bonfanti, Mgr. Dir.
Lecithin.*

JAPAN

AJINOMOTO CO. INC.
5-8, 1-Chome, Kyobashi, Chuo-ku, Tokyo, Ph. 272-1111; Plant at: Yokohama.
CONTACT PERSON: H. Shiina, Plant Mgr.
Lecithin.*

HOHNEN OIL CO. LTD.
Mitsui Life Insurance Bldg., 1-2-3, Ohtemachi, Chiyoda-ku, Tokyo, Ph. 211-6511; Plants at: Shimizu; Kobe.
Lecithin.

NIKKO OIL MILLS CO. LTD.
Kanda-Ogawamachi 2-12 Chiyoda-ku, Tokyo, Ph. 03-233-3960; TLX: 222-4940.
CONTACT PERSON: F. Nonaka, Mgr. Dir.
NIKKO lecithin.*

THE NISSHIN OIL MILLS, LTD.
23-1, 1-Chome, Shinkawa, Chuo-ku, Tokyo, Ph. 03-555-6923; Plants at: Yokohama and Kobe.
CONTACT PERSON: T. Okumori, Plant Mgr.
NISSHIN lecithin.*

SHOWA SANGYO CO. LTD.
2-1, 2-Chome, Uchikanda, Chiyoda-ku, Tokyo 101, Ph. 257-2020.
CONTACT PERSON: T. Ena, Mgr. Dir.
SHOWA lecithin.*

TOYO OIL MILLS CO. INC.
Subsidiary of Ajinomoto Co. Inc., Tokyo; 230 Shinminato, Chiba-Shi 260, Ph. 0472-41-1251.
CONTACT PERSON: N. Tachikawa, Supt.
Lecithin.*

MEXICO

GALLETERA MEXICANA S.A. (GAMESA)
Ciudad Obregon, Sonora.
CONTACT PERSON: Ing. Jose Arturo Zablah Kuri, Planning Dir.
Lecithin.*

NETHERLANDS

UNIMILLS B.V.
Lindtsedijk 8, 3336 LE Zwijndrecht, Ph. 078-125144; TLX: 29031 (UMIL NL).
BOLEC lecithin, complete product range.*

PHILIPPINES

UNIVERSAL ROBINA CORPORATION
E. Rodrigues Ave., Bagong Ilog, Pasign, Metro Manila, Ph. 693-2180; TLX: 3828 (CFCURC PN).
CONTACT PERSON: Henry L. Go, Sr. VP
Lecithin.*

SPAIN

ACEITES Y PROTEINAS S.A. (ACEPROSA)
Repelega, Portugalete (Vizcaya), Ph. 94-425-45-00; TLX: 32-753.
ACEPROSA lecithin.

ARLESA
ACEITERIAS REUNIDAS DE LEVANTE S.A.
Castell de Pop, 33-Nazaret, Valencia 11, Ph. 23-12-78; Main office: Avda. Generalisimo, 61-8a p. Madrid 16.
Lecithin.

OLEAGINOSAS ESPANOLAS, S.A.
Nunez de Balboa, 108, Madrid-6, Ph. (91) 262-96-03/261-54-02; TLX: 45302/46918 (OLEA E); Other location: Barcelona.
CONTACT PERSON: Jose Urbelz, Comm. Mgr.
Lecithin.*

TAIWAN

GREAT WALL ENTERPRISES CO. LTD.
Niaoshong Vill., Yungkang, Tainan, Ph. 062-23111 or 062-23118; Other location: 8th Floor, 310 Sec. 4, Chunghsiao E. Rd., Taipei, Ph. 02-771-6677.

CONTACT PERSON: K.L. Tseng, Plant Mgr.
Lecithin.*

HUIE SHENG OIL MILL CO. LTD.
618 Fwanchiu Rd., Kaohsiung (Luchu) 821, Ph. 064-863-311; Other locations: Miaoli; 102 Wenshan; Wenshan Li.
CONTACT PERSON: S. Y. Wang, Pres.
SHENG-LI commercial lecithin.*

PRESIDENT ENTERPRISES CORP.
2-20 Yan Harng, Tainan Yungkang 711, Ph. 062-232-171 or 232-190; Other location: 5th Floor 66-1 sec. 1, Chungking S. Rd., Taipei, Ph. 02-331-7571.
Commercial lecithin.*

MEAT ANALOGS, BINDERS INCLUDING TEXTURIZED SOY PROTEINS

UNITED STATES

ARCHER DANIELS MIDLAND CO.
4666 Faries Pkwy., Decatur, IL 62526, Ph. 800-637-5850.
CONTACT PERSON: Robert Sullenberger, VP Soy Spec. Div.
TVP via extrusion process in meat flavors and unflavored.

BERNARD FOOD INDUSTRIES INC.
1125 Hartrey, P.O. Box 1497, Evanston, IL 60204, Ph. 312-273-4497; Other location: 222 S. 24th St., San Jose, CA 95103.
CONTACT PERSON: J. Bernard
Manufacturer of institutional food products. Texturized soy proteins including TEX PRO 1 (hamburger), TEX PRO 2 (meat loaf), TEX PRO 3 (sloppy joe), TEX PRO 4 (chili mix), TEX PRO 5 (taco), TEX PRO 6 (veal and fish), TEX PRO 7 (spaghetti and lasagna) and TEX PRO 8 (pizza topping).

CARGILL INC.
P.O. Box 9300, Minneapolis, MN 55440, Ph. 612-475-6318.
Textured soy proteins.

CENTRAL SOYA
Chemurgy Div., 1300 Fort Wayne National Bank Bldg., P.O. Box 1400, Fort Wayne, IN 46801-1400, Ph. 219-425-5420; TLX: 27-61-70 CENSOYA FWA A.
CONTACT PERSON: Jack Self, Natl. Sls. Mgr.
Meat binders, defatted, low-fat and lecithinated soy flours, soy grits, soy protein concentrate RESPONSE, textured soy flour CENTREX & BONTRAE and soy protein.

CUSTOM FOOD PRODUCTS INC.
730 N. Albany Ave., Chicago, IL 60612, Ph. 312-722-7500.
Sausage and loaf binders for sausage trade. Hamburger and loaf seasonings and binders for institutional trade.

FARMLAND AGRISERVICES, INC.
Manufactured Products Div., 960 N. Halstead, P.O. Box 1667, Hutchinson, KS 67501, Ph. 316-663-5711; TWX: 910-740-1528.
CONTACT PERSON: Derek Park, Sales Mgr.
Ground meat binders and ULTRA-SOY textured soy protein.

FIRST SPICE MIXING CO.
33-33 Greenpoint Ave., Long Island City, NY 11101, Ph. 212-361-2556; Other locations: 185 Arkansas St., San Francisco, CA 94107; 98 Tycos Dr., Toronto, ONT., Canada.
CONTACT PERSON: Martin U. Heiman
TEXITE extender and binder for meat products.

GARRISON PRODUCTS INC.
1471 Paddock Dr., Northbrook, IL 60062, Ph. 312-998-8188.
CONTACT PERSON: Robert Garrison
Meat and mushroom analogs.

GENERAL SPICE INC.
238 St. Nicholas Avenue, So. Plainfield, NJ 07080, Ph. 201-753-9100; TWX: 710 997 9547 (SOPD); Other locations: Detroit, MI; Malden, MA.
CONTACT PERSON: Karl H. Brand, Pres.
SOTEX texturized vegetable protein and BAKOTEX imitation bacon bits.

GRIFFITH LABORATORIES
12200 S. Central Ave., Alsip, IL 60658, Ph. 312-371-0900.
CONTACT PERSON: Wayne Pruiett, Dir.
PROTEINATE GL-301, PROCASE, PRO-BLEND and PROMAX ground meat binders. PROMATE, GSVP, GSPC and custom extruded textured soy proteins.

LAND O'LAKES INDUSTRIAL SALES
P.O. Box 1087, Eau Claire, WI 54701, Ph. 715-835-2221.
CONTACT PERSON: Steve Jankowiak
Textured soy flour meat extenders.

LOMA LINDA FOODS
11503 Pierce St., Riverside, CA 92515, Ph. 714-687-7800.
Soy sausages (three varieties), burger, canned and packaged sandwich spread and "meat" balls. Meatless Chicken made with textured soy protein, Meatless Swiss Steak, Sizzle Burger, Griddle Steaks and Ocean Fillets.

MILES LABORATORIES INC.
Grocery Products Div., 7123 W. 65th St., Chicago, IL 60638, Ph. 312-458-6100.
CONTACT PERSON: F. Edward Gustafson
Meat analogs and textured soy proteins.

NORTH AMERICAN LABORATORY CO. INC.
1717 W. 10th St., Indianapolis, IN 46222, Ph. 317-635-9500.
CONTACT PERSON: Dr. K. Hyder, Dir. Mktg.
Artificial bacon bits, binders for meat products and textured soy proteins flavored to be used for partial meat replacement.

RALSTON PURINA CO.
Checkerboard Square, St. Louis, MO 63188, Ph. 800-325-7136.
PURINA PROTEIN 220 & 500E and SUPRO 620 ground meat binders. SUPRO 50 textured soy proteins.

A.E. STALEY MFG. CO.
Protein Div., P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411.
PROCON soy protein concentrate, textured PROCON soy protein concentrate, BLAND 50 soy flour, 15-90 PDI soy flour and grits and MIRE-TEX, NUTR-MATE and VYTAL textured vegetable protein.

WORTHINGTON FOODS
DIV. OF MILES LABORATORIES INC.
900 Proprietors Rd., Worthington, OH 43085, Ph. 614-885-9511.
CONTACT PERSON: Frank Poston, Prod. Mktg.
Vegetable protein meat-type analog entrees, over 45 canned, frozen and dehydrated products, simulating beef, pork and poultry.

AUSTRALIA

SANITARIUM HEALTH FOOD CO.
148 Fox Valley Rd., Wahroonga N.S.W., 2076, Ph. 480206; TLX: 22064.
CONTACT PERSON: R.L. Rogers, Prod. Mgr.
Canned vegetable protein foods and textured vegetable protein.*

BRAZIL

ADM DO BRASIL TVP S.A.
Technologia Em Vegetais E Proteinas S.A., Cx. Postal 632 - CEP 13100, Campinas, SP, Ph. 2-09-89; TLX: 019-1221.
Textured vegetable protein.

FAROL S.A.-IND. GAUCHA
DE FARELOS E OLEOS
Avenida Borges de Medeiros 659-12th Flr., Porto Alegre, RGS, 90000, Ph. 512-33-79-88; TLX: 51-1732 STEF BR; Other plants: Estrela, RGS; Feliz, RGS; Sapucaia Do Sul, RGS; Ituiutaba, MG.
CONTACT PERSON: Stefan Wenzel, Export Director*

CHILE

SARANDI CHILE LTDA.
Los Tres Antonios 36 - Nunos, Santiago, Ph. 2252503-42918.
CONTACT PERSON: Ruperto Cabello, Mgr.
Texturized soy protein.*

COLOMBIA

GRASAS S.A.
Calle 11, No. 18-113, Buga-Valle, Ph. 2021; TLX: 05866.
CONTACT PERSON: Alberto Angel Leon, Pres.
CARNAVIT textured vegetable protein.*

ENGLAND

THE BRITISH ARKADY CO. LTD.
Old Trafford, Manchester M16 ONJ, Ph. 061-872-7161; TLX: 668488.
CONTACT PERSON: J.R. Mahlich
Textured vegetable protein.*

BRITISH SOYA PRODUCTS LTD.
Puckeridge, NR Ware, Hertfordshire, Ph. (Ware) 821291; TLX: 81352.
CONTACT PERSON: D.W. Hill, Sales Mgr.
BESPRO textured proteins.*

FEDERAL REPUBLIC OF GERMANY

INTERFOOD DEUTSCHLAND GmbH DIV.
Interfood Luxemburg SAH, 6380 Bad Homburg, Goldgrubenstr. 6A, Ph. 06172/22049; TLX: 0415840.
CONTACT PERSON: Hans D. Kneer, Mgr. Dir.
Texturized soy protein, Cargill's Textratein.*

FRANCE

SOCIETE INDUSTRIELLE
DES OLEAGINEUX: SIO
Direction Proteines, Groupe Lesieur, 122 Av. du General De Gaulle, Boulogne-Billancourt, 92103, Ph. (1) 604 30 32; TLX: 260917 (SOLEAG).
CONTACT PERSON: Guy Deneck, Proteins Dir.

INDIA

PRESTIGE FOODS PRIVATE LIMITED
32, 11-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
PRESTIGE meat analogs, binders (including texturized soy protein).*

VED BRAT & CO.
39C Prem House, Connaught Pl., New Delhi 110 001, Ph. 352761 or 615100.
CONTACT PERSON: V. Brat, Pres.
Textured vegetable protein.*

ITALY

LUCAS MEYER S.R.L.
Via Venezia 34, Vigonza (PD), 35010, Ph. (049) 629011; TLX: 430145 GIPAI.
CONTACT PERSON: Axel Skulte, Pres.
Meat analogs.*

JAPAN

AJINOMOTO CO. INC.
5-8, 1-Chome, Kyobashi, Chuo-ku, Tokyo, Ph. 272-1111; Plant at: Yokohama.
CONTACT PERSON: H. Shiina, Plant Mgr.
ESSAM PROTEIN-S,L, PRORICH, AJIPRON-E,M,S.*

FPPM LIMITED
SKF Bldg., 9-1,1-Chome, Shiba-Daimon, Minato-ku, Tokyo 105, Ph. 03-438-2021; Plant at: Izumisano-City, Osaka-fu.
CONTACT PERSON: Toshitaka Yoshino
FUJI PURE-SP, structured soy protein.*

FUJI OIL CO., LTD.
Nissei Midosuji Hachimancho Bldg., 6-1 Hachimancho, Minami-ku, Osaka 542, Ph. 06-213-8151.
CONTACT PERSON: Fumio Yuasa, Head Soybean Buyer
NEW SOYEESE, structured soy protein, and textured soy protein.*

JAPAN SOY PROTEIN CO. LTD.
Sumiyoshicho Izumisano, Osaka, Ph. 0724-63-5105.
CONTACT PERSON: Kiyofumi Ishii, Mgr. Dir.
Textured soy protein.*

MILES-KYOWA CO. LTD.
Aoyama Bldg. 2-3, Kita-Aoyama 1-Chome, Minatoku, Tokyo, Ph. 03-402-9144; TLX: 2423548 (MILES J).
CONTACT PERSON: E. Morihiro, Mgr. Dir.
MAXTEN, textured vegetable protein.*

KOREA

DONGBANG OIL
AND FLOUR MILLS CO., LTD.
No. 2 Yangpyong-dong 4-ka, Yungdungpo-ku, Seoul, Ph. 633-3921; TLX: K27334 (KOSADB); Plant at: Jin Hae, Kyung Nam
CONTACT PERSON: Myoungsoo Shin, Pres.
HAE PYO and DONGBANG textured soy protein.*

MEXICO

ALIMENTOS COL-PAC
KM 13 Carratera Huatabampo, Apartado No. 502, Navojoa Sonora, Ph. 2-08-42.
Meat analogs, textured soy protein.

INDUSTRIAL DE ALIMENTOS, S.A.
Poniente 146 No. 789, Col. Industrial Vallejo, Deleg. Azcapotzalco, 02300 D.F.
CONTACT PERSON: Felipe Suberbie, Mgr.
PROTOLEG textured soy protein.*

PRODUCTOS NUTRICIONALES S.A
(PRONASA)
A Gea y DBFlo, Juarez, Celaya, Guanajuato, Ph. 545-83-22; Other location: Lago Xochimilco 225, Mexico 17 DF.
MAXTEN TEMPTEIN, textured soy protein.

NETHERLANDS

CARGILL B.V.
Affiliate of Cargill Inc., Minneappolis, MN, USA; Coenhavenweg 2, Box 8074, 1005 AB Amsterdam, Ph. 803-803; TLX: 14081.
CONTACT PERSON: Ruud Sevink, Mgr. Protein
Meat analogs, binders, Tekfratein.*

UNIMILLS B.V.
Lindtsedijk 8, 3336 LE Zwijndrecht, Ph. 078-125144; TLX: 29031 (UMIL NL).
Textured soy protein.*

SOUTH AFRICA

JABULA FOODS LTD.
P.O. Box 618, Sprinss, Transvaal 1560, Ph. (011) 813-2232; TLX: 4-21386.
CONTACT PERSON: M.J. Howell, Factory Mgr.
VESETEEN meat analogs, binders (including texturized soy protein).*

TIGER PROTEIN INDUSTRIES PTY. LTD.
P.O. Box 575, Randfontein 1760 N/A, Ph. 011-693-4231; TLX:8-3319 SA.
Textured vegetable protein, textured soya concentrate, meat analogs.

THAILAND

RAMA FOOD PRODUCTS CO., LTD.
Bangkok, Ph. 392-3002; TLX: 84574 (NOPAKUN TH).
Textured soy protein.*

SOY BEVERAGES

UNITED STATES

COCA-COLA CO.
P.O. Drawer 1734, Atlanta, GA 30301, Ph. 404-898-2121.
CONTACT PERSON: Dr. D.S. Bhatia, Dir. R&D
Soymilk beverages for Brazil (SACI), whey beverages for Mexico (SAMSON).

FEARN SOYA FOODS
DIV. OF RICHARD FOODS CORP.
4520 James Pl., Melrose Park, IL 60160, Ph. 312-345-2335.
FEARN's pure soy powder for making soy milk.

LOMA LINDA FOODS
P.O. Box 388, Mt. Vernon, OH 43050; Main office: Riverside, CA, Ph. 714-687-7800.
Powdered and liquid soy milk in five varieties.

QUONG HOP & CO.
161 Beacon St., South San Francisco, CA 94080, Ph. 415-873-4444.
CONTACT PERSON: Jim Miller, Dir.
Bottled soymilk; CAROB, HONEY, PLAIN and SUGAR, SOY FRESH.

SOYFOODS ASSOCIATION
OF NORTH AMERICA
Sunrise Far, Heath Rd., Colrain, MA 01340, Ph. 413-624-5591.
CONTACT PERSON: Richard Leviton, Exec. Dir.
The trade association of soy dairies and tofu, tempeh and miso shops in North America.

WORTHINGTON FOODS
DIV. OF MILES LABORATORIES
900 Proprietors Rd., Worthington, OH 43085, Ph. 614-885-9511.

CONTACT PERSON: Frank Poston, Mgr. Prod. Mktg.
Processing and packing powdered soy milk (SOYAMEL).

AUSTRALIA

SANITARIUM HEALTH FOOD CO.
148 Fox Valley Rd., Wahroonga N.S.W. 2076, Ph. 480206; TLX: 22064.
CONTACT PERSON: R.L. Rogers, Prod. Mgr.
Soya milk, liquids.*

BRAZIL

OLVEBRA SA-INDUSTRIA E COMERCIO DE OLEOS VEGETAIS
Praca Osvaldo Cruz, N° 15-16° Andar, Porto Alegre, RGS, Ph. 21-2200; TLX: 051-1225 (OLVE BR).
CONTACT PERSON: Juarez Mayer, Indus. Dir.
Powder soy milk. Trademark VIOLETA.*

ENGLAND

THE BRITISH ARKADY CO. LTD.
Old Trafford, Manchester M16 ONJ, Ph. 061-872-7161; TLX: 668488.
CONTACT PERSON: J.R. Mahlich, Mgr. Dir.
Soy beverages.*

JAPAN

HOHNEN OIL CO. LTD.
Mitsui Life Insurance Building, 1-2-3 Ohtemachi, Chiyoda-ku, Tokyo, Ph. 211-6511.
Soy milk.

KOREA

DR. CHUNG'S FOOD COMPANY
194-24 Hwoi Hyun-dong 1-ka, Chung-ku, Seoul, Ph. 23-2151-4; Other location: 296-5 Hagal-ri, Kiheung-myon, Yong In-kun, Kyungki-do.
VEGIMIL soy milk.

DONGBANG OIL AND FLOUR MILLS CO., LTD.
No. 2 Yangpyong-dong 4-ka, Yungdungpo-ku, Seoul, Ph. 633-3921; TLX: K27334 (KOSADB); Plant at: Jin Hae, Kyung Nam, Ph. 2-2161-3.
CONTACT PERSON: Myoungsoo Shin, Pres.
GREEN MILK soy milk beverage and GREEN MILK soy milk ice cream ingredient.*

MALAYSIA

CARNATION COMPANY (M) SDN. BERHAD
27, Jalan Telawi Tiga, Bungsar Baru, Kuala Lumpur.
Soy beverage.

YEO HIAP SENG (Malaysia) BERHAD
7 Jalan Tandang, P.O. Box 229, Petaling Jaya, Selangor, Ph. 573733; TLX: 37544 (YHS MA).
CONTACT PERSON: Mrs. C.K. Lo, Purch. Mgr.
Soy beverage.*

MEXICO

ALIMENTOS COLPAC
KM 13 Carratera Huatabampo, Apartado No. 502, Navojoa Sonora, Ph. 2-08-42.
Soy beverage.

INDUSTRIAL DE ALIMENTOS' S.A.
Poniente 146 No. 789, Col. Industrial Vallejo, Deleg. Azcapotzalco, 02300 Mexico D.F.
CONTACT PERSON: Felipe Suberbie, Mgr.
SOYATOLE and SOYAMALT soy beverages.*

PHILIPPINES

UNIVERSAL ROBINA CORPORATION
E. Rodrigues Ave., Bagong Ilog, Pasig, Metro Manila, Ph. 693-2180; TLX: 3828 (CFCURC PN).
CONTACT PERSON: Henry L. Go, Sr. VP
Soy beverages.*

SINGAPORE

THE AMOY CANNING CORP. (Singapore) LTD.
13 KM Bukit Timah Rd., Ph. 663566.
Soy beverage.

CARNATION COMPANY (Singapore) PTE LTD.
Sub. of Carnation International, Los Angeles, CA; Ph. 2200122; TLX: 23401 (CARNSIN RS).
Soy beverage.

FOOD SPECIALITIES SINGAPORE (PTE) LTD.
Aff. of Nestle companies; Ph. 652911; TLX: 25767 (FOSPEC RS).
Soy beverage.

FRASER & NEAVE (Singapore) PTE LTD.
475 River Valley Rd., Singapore 1024, Ph. 630222; TLX: 21687 (RS).
CONTACT PERSON: Dr. Kwok Kain Sze, R&D Mgr.
Soy beverage.*

YEO HIAP SENG LIMITED
950 Dunearn Rd., Singapore 2158, Ph. 662266; TLX: 22143 (RS).
CONTACT PERSON: Joseph Yeo, Export Mgr.
Soy beverage.*

TAIWAN

PRESIDENT ENTERPRISES CORP.
2-20 Yan Harng, Tainan Yungkang 711, Ph. 062-232171; Other location: Taipei.
Soy milk.*

TSIN TSIN FOODS INDUSTRIES
91, Sec. 3, Nanking E. Rd., Taipei, 104, Ph. (02) 511-2002; Plant at: Changhua, Taiwan.
TSIN TSIN soy beverage.*

WEI-CHUAN FOODS CORP.
125 Sunchiang Rd., Taipei, Ph. 02-541-8221; Plant at: No. 518, Chung-Hsin Rd., Sec. 5, San-Chung City 241, Ph. 02-982-1119.
Soy milk.*

THAILAND

GREEN SPOT (THAILAND) LTD.
79 Pattanakarn 3 Road, Bangkok 10240, Ph. 377-5088-91, 377-8584-5, 377-8574.
CONTACT PERSON: C.C. Cheung, Exec. Dir.
VITAMILK soy beverage.*

RAMA FOOD PRODUCTS CO., LTD.
Bangkok, Ph. 392-3002; TLX: 84574 (NOPAKUN TH).
Soy beverage.*

SOY FLOUR, PROTEIN CONCENTRATES & ISOLATES

UNITED STATES

ARCHER DANIELS MIDLAND CO.
4666 Faries Pkwy., Decatur, IL 62526, Ph. 800-637-5850.
CONTACT PERSON: Robert Sullenberger, VP Soy Spec. Div.
NUTRISOY edible soy flours and grits, ADM soybean brew flakes, soy protein concentrates, and soy protein isolates.

CARGILL INC.
P.O. Box 2817, Cedar Rapids, IA 52406, Ph. 319-366-8381.
Soy flour, flakes and grits.

CENTRAL SOYA
Chemurgy Div., 1300 Fort Wayne National Bank Bldg., P.O. Box 1400, Fort Wayne, IN 46801-1400, Ph. 219-425-5508; TLX: 27-61-70 CENSOYA FWA A.
CONTACT PERSON: Jack Self, Natl. Sls. Mgr.
Defatted, low-fat and lecithinated soy flours, flakes and grits. PROMOSOY and RESPONSE soy protein concentrates.

DAIRYLAND PRODUCTS INC.
5345 W. 125th St., Savage, MN 55378, Ph. 612-890-5305.
CONTACT PERSON: Thomas C. Sando, Pres.
Soy flour, flakes and grits, soy protein blend.

FARMLAND AGRISERVICES, INC.
Manufactured Products Division, 960 N. Halstead, P.O. Box 1667, Hutchinson, KS 67501, Ph. 316-663-5711; TWX: 910-740-1528.
CONTACT PERSON: Derek Park, Sales Mgr.
Soy flour, flakes and grits.

FARMLAND INDUSTRIES INC.
St. Joseph Div., P.O. Box 427, St. Joseph, MO 64502, Ph. 816-233-6161; TWX: 910-777-7189.
CONTACT PERSON: Bob Wright, Flour Sales
Defatted soy flour and grits, full toast, light toast and untoasted. Mesh flour, coarse-medium-fine grits. Bulk and bagged.

FEARN SOYA FOODS,
DIV. RICHARD FOODS CORP.
4520 James Pl., Melrose Park, IL 60160, Ph. 312-345-2335.
Pure soy powder and soy grits. FEARN soy protein 91%.

GRAIN PROCESSING CORP.
1600 Oregon, Muscatine, IA 52761, Ph. 319-264-4278; TLX: 468497.
CONTACT PERSON: Ralph Wilkinson, Food Prod. Sales Mgr.
High and low solubility isolates (90%) from soy flakes.

GRIFFITH LABORATORIES
12200 S. Central Ave., Alsip, IL 60658, Ph. 312-371-0900.
CONTACT PERSON: Wayne Pruiett, Protein
GL-301 and PROMAX 70 soy protein concentrates.

HONEYMEAD PRODUCTS CO.
Mankato, MN 56001, Ph. 507-625-7911.
CONTACT PERSON: Ed Senska
Soy flakes; toasted, untoasted soy flour. Bulk and bagged.

LAND O'LAKES INDUSTRIAL SALES
P.O. Box 1087, Eau Claire, WI 54701, Ph. 715-835-2221.
CONTACT PERSON: Steve Jankowiak
Soy flour, soy grits, textured soy flour meat extenders.

LUCAS MEYER INC.
Div. of Lucas Meyer Hamburg, 765 E. Pythian Ave., Decatur, IL 62526, Ph. 217-875-3660; TLX: 40-4387.
Full-fat soyflour, flakes and grits.

RALSTON PURINA CO.
Protein Div., Checkerboard Square, St. Louis, MO 63188, Ph. 800-325-7136.
SUPRO 350, 610, 620, 630, 640T FORTIBLEND, 660, 710; SPF200; EDIPRO A; SUPRO HD90; and PURINA PROTEIN 220 and 500E isolated soy proteins for varied use in food products.

THE ROBERTSON CORP.
111 S. Walnut, P.O. box 128, Seymour, IN 47274, Ph. 812-522-4639; Plants at: Bedford and Brownstown, IN.
CONTACT PERSON: R. S. Robertson
Soy flour, flakes & grits.

A.E. STALEY MFG. CO.
Protein Div., P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411.
Coarse & medium grits. Toasted, medium toasted and untoasted flour and grits. 15-90 PDI soy flour and grits. PROCON 2000, 2060 and textured PROCON soy protein concentrates.

ARGENTINA

SANTO PIPO TUNGOIL
SOC. COOP. LTDA.
Casilla Correo 6, Santo Pipo (MS) 8, Ph. 17.
Soy flour.

SANTO PIPO TUNGOIL SOC. COOP. LTDA.
Florida 142, Piso 3-A, Buenos Aires, Ph. (Santo Pipo) 17.
Soy protein concentrate and flakes.

AUSTRALIA

BARTON ADDISON & SONS PTY. LTD.
P.O. Box 51, 18 Gray St., Kogarah 2217 N.S.W., Ph. 587-0457.
CONTACT PERSON: P. Dickinson, Gen. Mgr.
ADDISON soy flour, NU-SOY bread mix, NU-SOY concentrate.*

SOY PRODUCTS OF AUSTRALIA PTY. LTD.
69 Power Rd., P.O. Box 66, Bayswater, Victoria, Ph. 72-91738.
SOYVITA full-fat soy flour.

BOLIVIA

FABRICA DE ACEITE VILLAMONTES RAFAEL DEHEZA
Ave. Camacho 1485 Edif. La Urbana, P.O. Box 1124, La Paz, Ph. 324957-350917; TLX: 2566.
Soy flour CBF.*

INDUSTRIAS DE ACEITE S.A.
P.O. Box 1759, Ballivian 262, Santa Cruz, Ph. 47008-47700.
CONTACT PERSON: Ing. Jose A. Gonzalez, Gen. Mgr.
Soy flour.*

BRAZIL

ADM DO BRASIL TVP S.A.
CEP 13100, Cx. Postal 632, Campinas, SP, Ph. 2-09-89; TLX: 019-1221.
Soy flour.

FAROL S.A.-IND. GAUCHA DE FARELOS E OLEOS
Avenida Borges de Medeiros 659-12th Flr., Porto Alegre, RGS, 90000, Ph. (512) 33-79-88; TLX: 51-1732 STEF BR; Other plants: Estrela, Feliz, and Sapucaia Do Sul, RGS; Ituiutaba, MG.
CONTACT PERSON: Stefan Wenzel, Export Dir.
Soy flour, protein concentrates & isolates.*

INCOBRASA INDUSTRIAL E COMERCIAL BRASILEIRA S.A.
Edificio Formac, 24th Floor, Porto Alegre, Ph. 24-3372; TLX: 01-1777 (INBR BR).
INCOBRASA soy flour, soy grits.

CANADA

VICTORY SOYA MILLS LTD.
333 Lake Shore Blvd. E., Toronto, Ontario M5A 1C2, Ph. 416-363-8771; TLX: 06-219812 (VICTORY TOR).
CONTACT PERSON: B.S. Aitken, Gen. Mgr.
SOYWHITE defatted flour.*

CHILE

ACEITERA TALCA S.A. (ACEITAL)
Casilla 20D, Camino Longitudinal Sur, Talca, Ph. 32163, 31855.
ORO VEGETAL soybean flour.*

Needed: deodorizer distillates

We have a continuing need for distillates from the deodorization of unsaturated vegetable oils, such as soybean, cottonseed, safflower and sunflower. Value depends on stigmasterol and tocopherol content. If you are now deodorizing these types of oil, or are planning a new plant, we can provide you with information on the various kinds of deodorizers and distillate recovery systems and advise you about the effects of deodorizer operating conditions (temperature, time, vacuum and stripping steam). Contact Robert Winters, Henkel Corporation, 4620 West 77th Street, Minneapolis, Minnesota 55435, telex 29-0472. Phone (612) 830-7810.

Henkel Corporation

Henkel

COLOMBIA

ACEITES Y GRASAS VEGETALES S.A. (ACEGRASAS)
Carretera Del Sur 57-21, Bogota, Ph. 30-50-55.
Soy flour.

LLOREDA, GRASAS Y ACEITES VEGETALES S.A.
Autopista Cali Yumbo Kilometro 3, Ph. 68211119; TLX: 055-711 (LLOGR CO).
CONTACT PERSON: Guillermo Baron, Mgr.
PROTARINA and LLOREDA soy flours.

ENGLAND

THE BRITISH ARKADY CO. LTD.
Old Trafford, Manchester M16 ONJ, Ph. 061-872-7161; TLX: 668488.
CONTACT PERSON: J.R. Mahlich, Mgr. Dir.
ARDEX, ARCON, HISOY & DOSOY soy flour. Protein products, food additives and vegetable protein.*

BRITISH SOYA PRODUCTS LTD.
Puckeridge, NR Ware, Hertfordshire, Ph. (Ware)821291; TLX: 81352.
CONTACT PERSON: D.W. Hill, Sales Mgr.
TRUSOY, BREDSOY soy flours.*

SOYA FOODS LTD.
New Malden House 1, Blagdon Rd., New Malden Surrey KT3 4TB, Ph. 01-949-2141; TLX: 896660.
CONTACT PERSON: Roger Woodfield, Prod. Dev. Mgr.
SOYOLK, DIASOY full-fat soy flours.*

FEDERAL REPUBLIC OF GERMANY

EDELSOYA GmbH
Ausschlaeger Elbdeich 21, 2000 Hamburg 28, Ph. 78-17-01.
Fullfat soy flour, grits and flakes.*

INTERFOOD DEUTSCHLAND GmbH DIV.
Interfood Luxemburg SAH, 6380 Bad Homburg, Goldgrubenstr. 6A, Ph. 06172/22049; TLX: 0415840.
CONTACT PERSON: Hans D. Kneer, Mgr. Dir.
CARGILL and PURINA PROTEIN soy flour, protein concentrates and isolates.*

OELMUEHLE HAMBURG AG
KohlbrandstraBe 1, P.O. Box 930 320, D-2102 Hamburg 93, Ph. 75-19-41; TLX: 163537.
CONTACT PERSON: A.V. Wissel, VP
Protein meals and flours.*

OELWERKE NOURY & VAN DER LANDE GmbH
IndustriestraBe 10, 4240 Emmerich/Rhein, Ph. 02822-741.
CONTACT PERSON: L. Tjerkstra, Pres.
VANDERLANDE soy flour.

FRANCE

SOCIETE INDUSTRIELLE DES OLEAGINEUX: SIO
Direction Proteines, Groupe Lesieur, 122 Av. du General De Gaulle, Boulogne-Billancourt, 92103, Ph. (1) 604 30 32; TLX: 260917 (SOLEAG).
CONTACT PERSON: Guy Deneck, Proteins Dir.
SOYOPTIM, SOYASSIM, PROTISOYA, DYNASOYA and FLOCOSOYA soy flours.*

INDIA

JINDAL SOLVENT EXTRACTIONS
Kashipur-244713, Ph. 270 and 292.
CONTACT PERSON: Devendra Kumar Agrawal
Soy flour, protein concentrates and isolates.*

MANGLIAGON (M.P.) GENERAL FOODS PRIVATE LTD.
150, Jaora Compound, Indore-452001, Ph. 6889 or 7467; TLX: 0735-203.
CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Soy flour.*

PREMIER EXTRACTIONS PRIVATE LIMITED
45/47 A. Industrial Area, A.B. Rd., Dewas, Madhya Pradesh, Ph. 5489, 38705 or 236-854; TLX: 0735-306 (PREM-IN).
CONTACT PERSON: Sh. G. L. Agrawal, Mgr. Dir.
Soy flour, protein concentrates and isolates.*

PRESTIGE FOODS PRIVATE LIMITED
32, 11-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
PRESTIGE soy flour, protein concentrates and isolates.*

VED BRAT & CO.
39-C, Prem House, Connaught Pl., New Delhi-1, Ph. 352761 or 615100.
CONTACT PERSON: V. Brat, Pres.
Soy protein isolates.*

VIPPY SOLVEX PRODUCTS PRIVATE LTD.
28 Industrial Area, A.B. Rd., Dewas 455-001 M.P., Ph. 581; TLX: 0732-201 (VSP IN).
CONTACT PERSON: Prakash Mutha, Mgr. Dir.
VIPPY & SUPER SOY soy flours.*

ISRAEL

ETZ HAZAITH LTD.
P.O. Box 193, Petah-Tikva, Ph. 927171; TLX: 341859.
Soy flour.*

ITALY

LUCAS MEYER S.R.L.
Via Venezia 34, Vigonza (PD), 35010, Ph. (049) 629011; TLX: 430145 GIPAI.
CONTACT PERSON: Axel Skulte, Pres.
Soy flour, protein concentrates and isolates.*

JAPAN

ASAHI YUSHI CO. LTD.
Higashi Asahikawa, Asahikawa City 070, Ph. 0166-36-1121.
Soy flour.*

FPPM LIMITED
SKF Bldg., 9-1, 1-Chome, Shiba-Daimon, Minato-ku, Tokyo, Ph. 03-438-2021.
CONTACT PERSON: Toshitaka Yoshino
Soy flour.*

FUJI OIL CO. LTD.
Nissei Midosuji Hachimancho Bldg., 6-1 Hachimancho Minami-ku, Osaka 542, Ph. 06-213-8151.
CONTACT PERSON: Fumio Yuasa, Head Soybean Buyer
FUJI PRO: isolated soy protein, concentrated soy protein.*

JAPAN PROTEIN INDUSTRY CO. LTD.
1920 Ogawahigashicho, Kodaira City, Tokyo, Ph. 0423-41-0831.
PROTON-M and HIPROTON whole fatted spray dried soy protein; PROTON-SA No. 1 defatted spray dried soy protein; PROTON-NA No. 1 isolated soy protein.

KYOWA HAKKO KOGYO CO. LTD.
1-6-1 Otemachi Chiyoda-ku, Tokyo, Ph. 03-201-7211.
Soy protein.

NIKKA FATS & OILS CO. LTD.
5-16, 1-Chome, Edobori, Nishi-ku, Osaka, Ph. 06-441-7431; Plants at: Fukuoka, Kitakyushu, Wakamatsu.
CONTACT PERSON: H. Ishibara
Soy flour, protein concentrates and isolates.*

NIKKO OIL MILLS CO., LTD.
Kanda-Ogawamachi 2-12 Chiyoda-ku, Tokyo, Ph. 03-233-3960; TLX:222-4940.
CONTACT PERSON: F. Nonaka, Mgr. Dir.
NIKKO-MAME defatted soybean meal for shoyu and miso; SAKAE-MAME soybean meal for tofu.*

THE NISSHIN OIL MILLS LTD.
23-1, 1-Chome, Shinkawa, Chuo-ku, Tokyo, Ph. 03-555-6923; Plants at: Yokohama and Kobe.
CONTACT PERSON: T. Okumori, Plant Mgr.
SOYMEE soy protein.*

SHOWA SANGYO CO. LTD.
2-1, 2-Chome, Uchikanda, Chiyoda-ku, Tokyo 101, Ph. 257-2020.
CONTACT PERSON: T. Ena, Mgr. Dir.
SHOWA soy flour; SANGYO-MAME soy flour for tofu.*

YOSHIHARA OIL MILL LTD.
3-6-32 Naka Noshima, Kita-ku, Osaka, Ph. 06-441-8851.
CONTACT PERSON: S. Nakagawa
GOTOKU soy flour.*

KOREA

DONGBANG OIL AND FLOUR MILLS CO., LTD.
No. 2 Yangpyong-dong 4-ka, Yungdungpo-ku, Seoul, Ph. 633-3921; TLX: K27334 (KOSADB).
CONTACT PERSON: Myoungsoo Shin, Pres.
HAE PYO and DONGBANG soy flour.*

MEXICO

ACEITERA EL SALTO S.A.
KM. 1.5 Carretera San Martin de las Flores, El Castillo el Salto, Guadelajara, Jalisco, Ph. 35-95-16; TLX: 068-2675.
Soy flour.

ACEITES INDUSTRIALES EL ZAPOTE S.A.
Ave. Presidente Juarez No. 201, Tlaneplantita, Estado de Mexico, Ph. 397-53-11.
Soy flour.

ACEITES POLIMERIZADOS S.A.
Inguaran No. 5719, Mexico 14, D.F., Ph. 577-39-23.
Soy flour.*

ACEITES Y PROTEINAS S.A.
Apartado Posta 2063, KM. 6, 4 Camino a Novalto, Culiacan, Sinaloa, Ph. 3-09-00; TLX: 066-5713 (APSAME).
Soy flour.

ALIMENTOS COLPAC
KM. 13 Carratera Huatabampo, Apartado 502, Navojoa, Sonora.
Soy flour.

FABRICA DE JABON LA CORONA S.A. DE C.V.
Apartado Postal 890, Zona Industrial No. 2, Ciudad Obregon, Sonora, Ph. 3-46-90; TLX: 552-839.
CONTACT PERSON: J.L. Lambarri, Local Mgr.
SOYARINA 50 soy flour.*

GALLETERA MEXICANA S.A. (GAMESA)
Ciudad Obregon, Sonora.
CONTACT PERSON: Ing. Jose Arturo Zablah Kuri, Planning Dir.
Soy flour, protein concentrates and isolates.

INDUSTRIAL DE ALIMENTOS, S.A.
Poniente 146 No. 789, Col. Industrial Vallejo, Deleg. Azcapotzalco, 02300, D.F.
CONTACT PERSON: Felipe Suberbie, Mgr.
SH, SHT and SL soy flour.*

INDUSTRIAL JABONERA LA ESPERANZA, S.A.
Fte. a la Estacion de los FFCC, Gomez Palacio, Durango, Ph. 4-1044; TLX: 032-877.
CONTACT PERSON: Aureliano Alatorre M., Gen. Mgr.
Soy flour.*

OLEAGINOSAS DE OCCIDENTE S.A.
Sabina No. 2052, Colonia del Fresno, Guadalajara, Jalisco, Ph. 1203-48 or 1212-41.
Soy flour.

TRON HERMANOS Y CIA. SUCRS. S.A.
Hs. de Nocupetaro No. 825, Morella, Michoacan, Ph. 20222.
Soy flour.

NETHERLANDS

CARGILL B.V.
Affiliate of Cargill Inc., Minneapolis, MN, USA; Coenhavenweg 2, Box 8074, 1005AB Amsterdam, Ph. 803-803; TLX: 14081.
CONTACT PERSON: Ruud Sevink, Mgr. Protein
Soy flour, protein concentrates, isolates and grits.*

UNIMILLS B.V.
Lindtsedijk 8, 3336 LE Zwijndrecht, Ph. 078-125144; TLX: 29031 (UMIL NL).
Soy protein concentrates.*

PORTUGAL

TAGOL, COMPANHIA DE OLEAGINOSAS DO TEJO SARL
Ave. Republica 44, 4 Esp. Lisboa 1, Ph. 767521; TLX: 14187 (Tagol P).
CONTACT PERSON: Manuel Mourao, Dir.
TAGOL soy flour.*

SPAIN

ACEITES Y PROTEINAS S.A. (ACEPROSA)
Repeiega, Portugalete (Vizcaya), Ph. 94-425-45-00; TLX: 32753.
EMULSOY 200 mesh soy flour.

ARLESA-EXTRASUR
Carretera del Copero, S/N, Punta del Verde, Sevilla, Ph. 69-04-58; TLX: 27784.
Soy flour.*

SOUTH AFRICA

JABULA FOODS LTD.
P.O. Box 818, Sprinss, Transvaal 1560, Ph. (011) 813-2232; TLX: 4-21386.
CONTACT PERSON: M.J. Howell, Factory Mgr.
JABULA full-fat soya flour.*

S.A. OIL MILLS (PTY) LIMITED
Main Reef Rd., Posbus 208, Randfontein Transvaal 1760, Ph. 011-663-4331; TLX: 8-7825.
Soy flour.

TIGER PROTEIN INDUSTRIES (PTY) LTD.
P.O. Box 575, Randfontein 1760, Ph. 011-693-4231; TLX: 8-3319SA.
Soy flour.

TAIWAN

HSIAOKANG SUGAR MILLS, TSC
25 Paoching Rd., Taipei, Ph. 02-311-0521; Plant at: 133 Hsiaokang Rd., Kaohsiung 800, Ph. 07-821-4160.
CONTACT PERSON: J.N. Wu, Plant Mgr.
Soy flour.*

TURKEY

SUMERBANK ORDU SOYA SANAYII MUESSESESI
Aff. of Sumerbank, Ordu, Ph. 1420; TLX: 82168 (SUSO TR).
Soy flour.

VENEZUELA

EXTRACTORA NACIONAL DE OLEAGINOSAS S.A. (ENDOSA)
Protinal CA, P.O. Box 83, Valencia, Ph. 52081.
CONTACT PERSON: Ing. Omar Hernandez
SOYARINA soy flour.*

PROMASA S.A.
Encrucijada Chivacoa, Productos de Maiz, S.A., Ph. 76-77; Plant at: Estado Yaracuy.
Soy flour.

SOY FLOUR MIXES

UNITED STATES

AMERICAN LECITHIN CO. INC.
32-34 61st St., Woodside, L.I., NY 11377, Ph. 212-274-4350; TLX: 54-2238.
CONTACT PERSON: M. Gillio, Exec. VP

FEARN SOYA FOODS DIV. OF RICHARD FOODS CORP.
4520 James Pl., Melrose Park, IL 60160, Ph. 312-345-2335.
Fearn's SOY-O mixes including: unbleached, whole wheat pancake mixes; corn, bran muffin mixes; wheat-free rice baking mix and low sodium pancake mix. Carob, carrot, banana and spice cake mixes.

GRIFFITH LABORATORIES
12200 S. Central Ave., Alsip, IL 60658, Ph. 312-371-0900.
CONTACT PERSON: Wayne Pruiett, Dir. of Protein Prod.
Soy flour mix, PRO-BLEND.

SOYFOODS ASSOCIATION OF NORTH AMERICA
Sunrise Farm, Heath Rd., Colrain, MA 01340, Ph. 413-624-5591.
CONTACT PERSON: Richard Leviton, Exec. Dir.
The trade association of soy dairies and tofu, tempeh and miso shops in North America.

ENGLAND

THE BRITISH ARKADY CO. LTD.
Old Trafford, Manchester M16 0NJ, Ph. 061-872-7161; TLX: 668488.
CONTACT PERSON: J.R. Mahlich, Mgr. Dir.
Soy flour mixes.*

BRITISH SOYA PRODUCTS LTD.
Puckeridge, NR Ware, Hertfordshire, Ph. (Ware) 821291; TLX: 81352.
CONTACT PERSON: D.W. Hill, Sales Mgr.
Soy flour mixes.*

HONEYMEAD PRODUCTS CO.

MANKATO:

GOLDEN-GLO
HIGH ENERGY
and
44% SOYBEAN MEAL

BULK OR SACKED
100 lbs. burlap — 50 lbs. paper

Defatted Soy Flour
Flakes
Edible – Industrial
Bulk – Sacks

MINNEAPOLIS:

34% LINSEED MEAL
30% SUNFLOWER MEAL

TRUCK OR RAIL DELIVERY

Honeymead
PRODUCTS COMPANY

P.O. Box 3247
Mankato, MN 56002
Phone: 507-625-7911

SOYA FOODS LTD.
New Malden House 1, Blagdon Rd., New Malden Surrey KT3 4TB, Ph. 01-949-2141; TLX: 896660.
CONTACT PERSON: Roger Woodfield, Prod. Dev. Mgr.
Soy flour mixes.*

FRANCE

SOCIETE INDUSTRIELLE DES OLEAGINEUX: SIO
Direction Proteines, Groupe Lesieur, 122 Av. du General De Gaulle, Boulogne-Billancourt, 92103, Ph. (1) 604 30 32; TLX: 260917 (SOLEAG).
CONTACT PERSON: Guy Deneck, Proteins Dir.
PANISOY soy flour mix.*

INDIA

MANGLIAGAON (M.P.) GENERAL FOODS PRIVATE LTD.
150, Jaora Compound, Indore-452001, Ph. 6889 or 7467; TLX: 0735-203.
CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Soy flour mixes.*

PRESTIGE FOODS PRIVATE LIMITED
32, 11-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
PRESTIGE soy flour mixes.*

ITALY

LUCAS MEYER S.R.L.
Via Venezia 34, Vigonza (PD), 35010, Ph. (049) 629011; TLX: 430145 GIPAI.
CONTACT PERSON: Axel Skulte, Pres.
Soy flour mixes.*

JAPAN

NIKKA FATS & OILS CO. LTD.
5-16, 1-Chome, Edobori, Nishi-ku, Osaka, Ph. 06-441-7431; Plants at: Fukuoka, Kitakyushu, Wakamatsu.
CONTACT PERSON: H. Ishibara
Soy flour mixes.*

NIKKO OIL MILLS CO. LTD.
Kanda-Ogawamachi 2-12 Chiyoda-ku, Tokyo, Ph. 03-233-3960; TLX: 222-4940.
CONTACT PERSON: F. Nonaka, Mgr. Dir.
SAKAE-MAME soybean meal for tofu.*

SOY OIL PRODUCTS
Margarine, Shortening; Cooking, Salad & Soy Oils

UNITED STATES

ALL-FRESH FOODS INC.
2156 Green Bay Rd., Evanston, IL 60201, Ph. 312-869-3100.
CONTACT PERSON: Thomas A. Bourelly, Pres.
Margarine, shortening, cooking and salad oils.

ANDERSON, CLAYTON FOODS
P.O. Box 226165, Dallas, TX 75266, Ph. 214-387-1224.
CONTACT PERSON: Harry True, Sr. Oil Trader
Margarine, shortening, cooking and salad oils.

ARCHER DANIELS MIDLAND CO.
4666 Faries Pkwy., Decatur, IL 62526, Ph. 800-637-5866.
CONTACT PERSON: Robert Sullenberger, VP Soy Spec. Div.
ARCHER cooking and salad oil, hydrogenated oils in bulk and packaged oils.

BEST FOODS DIV. CPC INTERNATIONAL INC.
International Plaza, Englewood Cliffs, NJ 07632, Ph. 201-894-4000; Plants at: San Francisco and Santa Fe Springs, CA; Chicago, IL; Bayonne, NJ.
NUCOA margarine, shortening, cooking, salad and soy oil.

BROOKSIDE DIV. SAFEWAY STORES INC.
Oakland, CA 94660, Ph. 415-944-4527; Plants at: Richmond, CA; Denison, TX; and Grandview, WA.
Margarine, cooking and salad oil.

CARGILL INC.
P.O. Box 9300, Minneapolis, MN 55440, Ph. 612-475-7575.
Soy oil.

CENTRAL SOYA
Refined Oil Div., 1300 Ft. Wayne National Bank, P.O. Box 1400, Fort Wayne, IN 46801-1400, Ph. 219-425-5373; TLX: 27-61-70 CENSOYA FWA A; Other locations: Decatur, IN; Chattanooga, TN.
CONTACT PERSON: Keith Darby, Dir. Mktg.
Margarine, shortening, cooking and salad oil. Refiners of soybean, corn and palm oil.

PATRICK CUDAHY INC.
Cudahy, WI 53110, Ph. 414-744-2000; TLX: 269455.
CONTACT PERSON: Joseph A. Kojis or Dean W. Jacobson
Shortening and lard.

DURKEE FOODS DIV. SCM CORP.
900 Union Commerce Bldg., Cleveland, OH 44115, Ph. 216-344-8000; Other locations: Chicago and Joliet, IL.
CONTACT PERSON: Leonard S. Milazzo, VP Mfg./Eng.
Soy oil.

J.H. FILBERT INC.
3701 Southwestern Blvd., Baltimore, MD 21229, Ph. 301-644-4900; Plant at: 1591 Murphy Ave. SW, Atlanta, GA 30310.
CONTACT PERSON: Basil G. Howard, VP Mktg.
Margarine, mayonnaise, retail food service and food processor.

FOOD SERVICE DIV.
THE MIAMI MARGARINE CO.
5226 Vine St., Cincinnati, OH 45217, Ph. 513-242-2310.
CONTACT PERSON: Paul R. Horton, Mgr. Food Service
Margarine - MIAMI brands, ROYAL SCOT, SUPREME; shortening - MIAMI brands; salad oil - SUPREME.

HOLSUM FOODS
P.O. Box 32, Industrial Airport, KS 66031, Ph. 913-782-7171; Other location: 919 14th St., Albert Lea, MN 56007, Ph. 507-373-2431.
Margarine, shortening, cooking and salad oil, salad dressings.

HONEYMEAD PRODUCTS CO.
Mankato, MN 56001, Ph. 507-625-7911.
CONTACT PERSON: Stanley Eichten
Margarine, soy and hydrogenated oil. Savory-soy salad oil.

HUNT-WESSON FOODS INC.
1645 W. Valencia Dr., Fullerton, CA 92634; Plants at: Savannah, GA; Chicago, IL; Bayonne, NJ; Memphis, TN.
Shortening, cooking and salad oil.

INDUSTRIAL PRODUCTS GROUP, STOKELY VAN CAMP INC.
525 W. First Ave., P.O. Box 569, Columbus, OH 43216, Ph. 614-299-3131; TLX: 245-494.
CAPITAL, PRIDE, BUCKEYE and PURITY margarines; HYMO, BBS, SUPER FRY shortenings; STABLAND, CAPITAL cooking/salad oils.

KRAFT INC.
Kraft Ct., Glenview, IL 60025, Ph. 312-998-2000.
Shortening , salad oil and salad dressing.

LEVER BROTHERS CO.
390 Park Ave., New York, NY 10022; Plants at: Los Angeles, CA.
CONTACT PERSON: David W. Melendy, Mgr.
Imperial, Promise and Autumn margarine and shortening.

PVO INTERNATIONAL INC.
3400 North Wharf St., St. Louis, MO 63147, Ph. 314-622-0200.
CONTACT PERSON: Donald Black, VP & Mgr.
Margarine, shortening, cooking, salad and soy oil.

PROCTER & GAMBLE DISTRIBUTING CO.
P.O. Box 599, Cincinnati, OH 45201.
Shortening and edible oil.

RICELAND FOODS
2120 S. Park Ave., P.O. Box 926, Stuttgart, AR 72160, Ph. 501-673-5500; Other location: Helena, AR.
Margarine, shortening, cooking, and salad oils.

S.E. RYKOFF & CO.
737 Terminal St. (Mfg.) & 761 Terminal St. (Dist.), Los Angeles, CA 90021, Ph. 213-622-4131.
CONTACT PERSON: Donald W. Becker
Fully refined and hydrogenated oils, mayonnaise, shortening and salad dressings. Labels; SER, SERCO, GOLDEN REY, SILVER REY, MAXIM and CONNOISSEUR.

JOHN SEXTON & CO.
222 S. Riverside Plaza, Chicago, IL 60606, Ph. 312-648-1100.
CONTACT PERSON: G.G. Hughes, VP Mfg.
Shortening, salad dressings and other soybean based products.

SHEDD'S FOOD PRODUCTS
14401 Dexter Blvd., Detroit, MI 48238, Ph. 319-869-6313; TLX: 23-0731; Plants at: Sunnyvale, CA; Elgin, IL; Louisville, KY; Omaha, NE; Greenville, SC; and Dallas, TX.
CONTACT PERSON: Ralph Monroe, Traffic Mgr.
Margarine, SHEDD's old-style dressing and salad product.

C.F. SIMONIN'S SONS INC.
Belgrade and Tioga Sts., Philadelphia, PA 19134, Ph. 215-426-2300.
Cooking and salad oils.

A.E. STALEY MFG. CO.
P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4415.
Cooking, salad oils, and hydrogenated oils, bulk.

ARGENTINA

MOLINOS RIO DE LA PLATA S.A.
Division Oleaginosos, Paseo Colon 746, Buenos Aires, 1323; TLX: 22270 (MRPSA AR); Other locations: Avellaneda, Provincia de Buenos Aires; Barranqueras, Chaco.
CONTACT PERSON: Dr. Nolly Sirkis, Div. Mgr.
DELICIA and MANTY margarines; COCINERO, LIRA, RIO UVA, RIO MAIZ, IDEAL and TORERO cooking/salad oils.*

AUSTRALIA

NUTTELEX FOOD PRODUCTS PTY. LTD.
594-600 Church St., Richmond, Victoria 3121, Ph. 428-3585; TLX: 30333 (EDZORN AA).
Margarine.

SOUTHERN PACKERS PTY LTD.
300 Ingles St., P.O. Box 76, Port Melbourne 3207, Ph. 644338; TLX: AA 33730.
Shortening, cooking and salad oil.

AUSTRIA

KUNER
Rosengrasse 4, A 1011 Wien, Ph. 0222-6619-0; TLX: 07-4080.
Margarine, edible grade soy oil.*

BELGIUM

UNION N.V.
De Keyserlei 5-Bus 1, Antwerp, B-2000, Ph. (31) 231211; TLX: 3 34895.
CONTACT PERSON: LJP Janssens, Log. Mgr.
SOLO, PLANTA, BECEL, NATURA, ORO margarines; IMPERIAL cooking/salad oil.*

VANDEMOORTELE N.V.
Prins Albertlaan 12, Izegem 8700, Ph. 051/30.22.22 or 051/30.38.38; TLX: 81 622 (VAMO B).
CONTACT PERSON: G. Vervaeke or J. Vleurinck, Prod. Dirs.
Margarine, shortening and cooking/salad oil.*

BOLIVIA

FABRICA DE ACEITE VILLAMONTES RAFAEL DEHEZA
Ave. Camacho 1485 Edif. la Urbana, P.O. Box 1124, La Paz, Ph. 324957-350917; TLX: 2566.
CONTACT PERSON: Ing. Jorge Jung Peters
EL REY soy oil.*

INDUSTRIAS DE ACEITE S.A.
P.O. Box 1759, Ballivian 262, Santa Cruz, Ph. 47008-47700.
CONTACT PERSON: Ing. Jose A. Gonzalez, Gen. Mgr.
Shortening and FINO brand cooking/salad oil.*

BRAZIL

COMPANHIA MOGIANA DE OLEOS VEGETAIS
Av. Sete No. 2300, Orlandia, Sao Paulo, Ph. (016) 726-3666 (PABX 15 tronco); TLX: 0166445 (CMOV).
CONTACT PERSON: Silvio Ferraz Pires, Dir.
HELOISA cooking/salad oil.*

GRANOL IND. COM. EXP. S/A.
Av. Indianopolis, 3303, Sao Paulo, 04063, Ph. (011) 2758254, 2752358, 2767733; TLX: 21275 (GCIL); TWX: 25090 (GCIL); Other locations: Junqueiropolis, S.P.; Tupa, S.P.; Lucelia, S.P.; Oswaldo Cruz, S.P.; Adamantina, S.P.; Pacaembu, S.P.
CONTACT PERSON: Jose Gomes Cadette, Pres.
MONTEREAL, TUPA, CORONA cooking/salad oils.*

INCOBRASA INDUSTRIAL E COMERCIAL BRASILEIRA S.A.
Edificio Formac, 24th Floor, Porto Alegre, Ph. 24-3372; TLX: 051-1777 (INBR BR).
SANTA ROSA soy oil.

INDUSTRIAS J.B. DUARTE S/A
Rua dos Patriotas, 1382, Sao Paulo, 04207, Ph. (011) 274.8211, TLX: 01121226 (IJBDBR); Other location: Santo Anastacio, Sao Paulo.
CONTACT PERSON: Luiz Lian de Abreu Duarte, Gen. Dir.
COLMEIA, JB MAISA margarines; VIDA, CERES, MARIA, GILDA shortenings, cooking/salad oil.*

KASPER & CIA. LTDA.
Rua dos Andradas 955-7th, 8th, 9th Flrs., 90000 Porto Alegre, RS, Ph. (0512) 33-1588 or 33-4212; TLX: (051) 1569 KASP BR.
CONTACT PERSON: Teldo Kasper Filho, Dir.
BIBIANA cooking/salad oil.*

OLVEBRA SA-INDUSTRIA E COMERCIO DE OLEOS VEGETAIS
Praca Osvaldo Cruz N° 15-16° Andar, Porto Alegre, RGS, Ph. 21-2200; TLX: 051-1225 (OLVE BR).
CONTACT PERSON: Juarez Mayer, Indus. Dir.
VIOLETA soy oil.*

REFINADORA DE OLEOS BRASIL S/A.
Av. Paulista, 2073-Conj. Horsa II, 2nd Flr., Sao Paulo, S.P., 01311, Ph. (011) 287-3122; TLX: (011) 32042 (NEVA BR) and (011) 23827 (ROBR BR); Other locations: Sao Caetano do Sul, S.P.; Araucaria, P.R.
CONTACT PERSON: C.A. Walter or Jacques L. Rochat
MESA shortening, TRIVIAL cooking/salad oil.*

S.A. MOINHOS RIO GRANDENSES (SAMRIG)
Rua da Conceicao, 195, Porto Alegre, RGS, Ph. 24-1033; TLX: 028778 (SAMRIG PAE).
PRIMOR soy oil and margarine.

CANADA

CANADA PACKERS INC.
95 St. Clair Ave. W., Toronto, Ontario M4V 1P2, Ph. 416-766-4311; TLX: 062-2257.
CONTACT PERSON: L.R.L. Symmes, Gen. Mgr.
Margarine, shortenting, cooking and salad oil.*

MONARCH FINE FOODS CO. LTD.
6700 Finch Ave. W., Rexdale, Ontario M9W 1G9, Ph. 416-675-1678; TLX: 06-989485.
Margarine, shortening, cooking and salad oil.*

VICTORY SOYA MILLS LTD.
333 Lake Shore Blvd. E., Toronto, Ontario M5A 1C2, Ph. 416-363-8771; TLX: 06-219812 (VICTORY TOR).
CONTACT PERSON: B.S. Aitken, Gen. Mgr.
Degummed soybean oil and industrial oils.*

CHILE

WATT'S ALIMENTOS SAC e I
J.J. Prieto 10501, Santiago, Ph. 583625.
CONTACT PERSON: Carlos Larrain, Purch. Mgr.
LA SURENA, LA DANESA, LA REINA and CRUZ DE ORO margarines; LA REINA, BELMONT and CRUZ DE ORO cooking/salad oils.*

COLOMBIA

GRASAS S.A.
Calle 11 No. 18-113, Buga-Valle, Ph. 2021; TLX: 05866.
CONTACT PERSON: Alberto Angel Leon, Pres.
OLIOSOYA edible oil and LA GARZA shortening.*

GRASAS VEGETALES S.A.
Carerra 51, No. 49-59, Piso 10, Box 5002, Medellin; TLX: 06-797; Plant at: Sabaneta, Antioquia.

CONTACT PERSON: German Castillo Ramirez, Gen. Mgr.
Shortening, cooking/salad oil.*

LLOREDA, GRASAS Y ACEITES VEGETALES S.A.
Autopista Cali Yumbo Kiometro 3, Ph. 68211119; TLX: 055-711 (LLOGR CO).
NOVA margarine, MANTECALI shortening and OLEOCALI cooking and salad oils.*

DOMINICAN REPUBLIC

SOCIEDAD INDUSTRIAL DOMINICA
C. por A., Ave. Maximo Gomez, Apartado No. 726, Santo Domingo, Ph. 809-565-1323.
Soy oil.

ECUADOR

CIA. LTDA. "LA FABRIL"
Km. 5½, Via a Portoviejo, Manta, Ph. 610-091, 612-734; TLX: 04-6101 (FABRIL ED).
Shortening.*

INDUSTRIAS ALES C.A.
Casilla 4808, Manta, Ph. 610470.
CONTACT PERSON: Wolf R. Harten, Mgr.
LA CORONA margarine, TRES CORONAS and LA REINA shortening and DOS CORONAS cooking/salad oil.*

PHIDAYGESA
Km. 16½, Via a Daule, Guayaquil, Ph. 351555; TLX: 04-3506.
CONTACT PERSON: Alvaro Bonilla, Mgr.
ESPECIAL and ASTRA margarine; UNICA and LECHONCITA shortenings; UNICA and BRILLANTE cooking/salad oil.*

ENGLAND

S.D. MATTHEWS LIMITED
Healey Old Mills, Ossett, West Yorkshire, WF5 8NE, Ph. (0924) 272534; TLX: 55483 (Matgrp).
CONTACT PERSON: Alan West, Sales Dir.
Margarine.*

VAN DEN BERGHS AND JURGENS LIMITED
Sussex House, Burgess Hill, West Sussex RH15 9AW, Ph. (04446) 46300; TLX: 877381 (VDBJ BH G); Other locations: Purfleet, Essex; Bromborough, Cheshire; Greenwich; Renfrenshire (Scotland); Needham Market, Suffolk.
CONTACT PERSON: B.P. Backlog
STORK, ECHO, BLUEBAND, FLORA, SUMMER COUNTY and KRONA margarine; COOKES and WHITE CAP shortenings; CRISP 'N DRY and FLORA OIL cooking/salad oil.*

FEDERAL REPUBLIC OF GERMANY

FRITZ HOMANN LEBENSMITTELWERKE GmbH & CO. KG
4503 Dissen T.W., Ph. 05421-311; TLX: 94311.
Margarine, shortening, cooking, salad and soy oil.*

FINLAND

OY KASVIOLJY
21200 Raisio, Ph. 921-780-311; TLX: 62140 (RAUL SF).
CONTACT PERSON: Heikki Siintola, Mgr. Foreign Dept.
Soy oil.*

INDIA

LIBERTY OIL MILLS
31, Farook S. Oomerbhoy Path, Byculla, Bombay, Maharashtra, Ph. 39 84 11; TLX: 11 6189 (LIBO IN).
CONTACT PERSON: Hamza A. Kader, partner
CHANDA margarine, BUTLER and SAVERA cooking/salad oil.*

MANGALIAGAON (M.P.) GENERAL FOOD PRIVATE LTD.
150, Jaora Compound, Indore 452001, Ph. 6889 or 7467; TLX: 0735-203.
CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Refined soy oil.*

PRABHAT SOLVENT EXTRACTION INDUSTRIES PRIVATE LIMITED
1st Flr., Sterling Apartments, Jawahar Road, Post Box No. 76, Rajkot, Gujarat, 360 001, Ph. 32951, Std. Code 0281; TLX: 0169 234 and 0169 286 (SWAD IN) and (PSEI IN); Other locations: Manavadar, Gujarat; Rajkot (Madhapar), Gujarat.
CONTACT PERSON: Navin D. Vadalia, Mgr.
SWAD cooking/salad oil.*

VIKAS EXPORT INDUSTRIES
3, Gandhi Chambers, Gondal Rd., RAJKOT-2, Rajkot, Ph. 88971-88972; TLX: VEIR-281.
CONTACT PERSON: D.Y. Patel
VIKAS margarine and cooking oil.*

ISRAEL

ETZ HAZAITH LTD.
P.O. Box 193, Petah-Tikva, Ph. 927171; TLX: 341859.
Margarine and shortening.*

ITALY

GIACOMO COSTA FU ANDREA S.p.A.
Via Gabriele D'Annunzio 2, Genova, Ph. 010-54831; TLX: 270068 (COSTA I).
Soy oil.*

I.G.O.R. S.p.A.
Via Milano 3, Orzinuovi, 25034, Ph. (030) 941761-2-3-4-5; TLX: 300054 (IGEAOR).
CONTACT PERSON: Zanisi Adriano, Pres.
VEGETALINA-MILDA GOLD margarine, FRYPALM shortening.*

S.I.O. CASTELFIORENTINO S.p.A.
Via Senese Romana, N. 275, Castelfiorentino (Fi), 50051, Ph. (0571) 64 33 8; TLX: 570 072 (SIO CF I).

CONTACT PERSON: Luciano Zini, Mgr. Dir.
Cooking/salad oil.*

S.I.O. MODENA S.p.A.
Via Farini, N. 56, Modena, 41100, Ph. (059) 22 2571; TLX: 510 138 (SIO MO I).
CONTACT PERSON: Mario Bonfanti, Mgr. Dir.
OSCAR cooking/salad oil.*

JAPAN

AJINOMOTO CO. INC.
5-8, 1-Chome, Kyobashi, Chuoku, Tokyo, Ph. 272-1111.
CONTACT PERSON: H. Shiina, Plant Mgr.
Margarine, tempura oil and salad oil.*

ASAHI YUSHI CO. LTD.
Higashi Asahikawa, Asahikawa City 070, Ph. 0166-36-1121.
Soy oil.*

FUJI OIL CO., LTD.
Nissei Midosuji Hachimancho Bldg., 6-1 Hachimancho, Minami-ku, Osaka 542, Ph. 06-213-8151.
CONTACT PERSON: Fumio Yuasa, Head Soybean Buyer
Margarine, shortening, salad oil.*

HOHNEN OIL CO. LTD.
Mitsui Life Insurance Bldg., 1-2-3 Ohtemachi, Chiyoda-ku, Tokyo, Ph. 211-6511.
HOHNEN salad and tempura oil.

NIKKA FATS & OILS CO. LTD.
5-16, 1-Chome, Edobori, Nishi-ku, Osaka, Ph. 06-441-7431.
CONTACT PERSON: H. Ishihara
NIKKA salad and tempura oils.*

NIKKO OIL MILLS CO. LTD.
Kanda-Ogawamachi 2-12 Chiyoda-ku, Tokyo, Ph. 03-233-3960; TLX: 222-4940.
CONTACT PERSON: F. Nonaka, Mgr. Dir.
NIKKO salad oil and soy oil.*

THE NISSHIN OIL MILLS, LTD.
23-1, 1-Chome, Shinkawa, Chuo-ku, Tokyo, Ph. 03-555-6923.
CONTACT PERSON: T. Okumori, Plant Mgr.
NISSHIN salad oil and dressing, BON-LAND margarine.*

RINORU OIL MILLS CO. LTD.
Aminosan Kaikan Bldg., No. 8, 15, 3-Chome Nihombashi, Chuo-ku, Tokyo, Ph. 273-5651.
Soy oil, RINORU salad oil.

SHOWA SANGYO CO. LTD.
2-1, 2-Chome, Uchikanda, Chiyoda-ku, Tokyo 101, Ph. 257-2020.
CONTACT PERSON: T. Ena, Mgr. Dir.
SHOWA soy and salad oil.*

MEXICO

ACEITES POLIMERIZADOS S.A.
Calzada Inguaran, P.O. Box 14779, Mexico 14, D.F., Ph. 577-39-23.
APOLO and CRISOL shortening and cooking/salad oil.*

MOROCCO

LES HUILERIES DE MEKNES
Quartier Sidi Said B.P. 2021 Meknes, Ph. 05-314-82; TLX: 41034 (HUILMEK).
Table oils.

SOCIETE D'EXPLOITATION DES PRODUITS OLEAGINEUX (SEPO)
2, Rue du Caporal Corbi a Casablanca (R.N.), B.P. 3094, Ph. 24-10-96; TLX: 25-076.
Soy oil.

NETHERLANDS

ROTTERDAMSCHE MARGARINE INDUSTRIE ROMI B.V.
Postbus 20, 3130 AA Vlaardingen, Ph. (010) 340 311; TLX: 25770 ROMI NL.
CONTACT PERSON: D.M. Talmon
Refined and hydrogenated soybean oils, shortenings.*

PERU

COMPANIA OLEAGINOSA DEL PERU S.A.
Apartado 2965, Lima 1, Ph. 52-5570.
CONTACT PERSON: Carlos Castro, Mgr. Dir.
Magarine, shortening and salad oil.*

SCOTLAND

CARDOWAN CREAMERIES LIMITED
Holywell Street, Glasgow, U.K., G31 4BT, Ph. (041) 5541137.
CONTACT PERSON: A.B. Kyle, Mgr. Dir.
KING COLE margarine and shortening; FRYBEX cooking/salad oil.*

SPAIN

ACEITES Y PROTEINAS S.A. (ACEPROSA)
Repelega, Portugalete (Vizcaya), Ph. 94-425-45-00; TLX: 32753.
Soy oil.

ARLESA, ACEITERIAS REUNIDAS DE LEVANTE S.A.
Avda. Generalisimo, 61-8a P., Madrid 16, Ph. 279-63-00; Plant at: Valencia 11.
Soy oil.

ARLESA-EXISA
Carretera del Copero, S/N, Punta del Verde, Sevilla, Ph. 61-02-00; TLX: 27784.
Soy oil.*

COMPANIA INDUSTRIAL Y DE ABASTECIMIENTOS, S.A.
Avda. de los Madronos No. 31, Madrid 33, TLX: 44373 (CIND E) or 22080 (DINSO E).
CONTACT PERSON: Javier Losantos, Undergen. Mgr.
CINDO-AMPUR cooking/salad oil.*

TAIWAN

ALL SINCERE INDUSTRIAL CO. LTD. (ASIC)
38 Chung Shan Rd., Luchu, Kaohsiung 821, Ph. 064-862201.
CONTACT PERSON: C.H. Tsai, Pres.
Salad oil.*

CHIA FHA INDUSTRY CO. LTD.
29 Tattung Shalu, Taichung, Ph. 046-223221.
CONTACT PERSON: A.Y. Hung, Plant Mgr.
Soy and salad oil.*

CHIA HSIN FLOUR & VEG. OIL CORP.
1-Teh Li, Peitou, Taipei, Ph. 02-8912253.
CONTACT PERSON: C.S. Chang, Plant Supt.
CHIA HSIN salad oil and soy oil.*

CHUAN YUAN OIL MILL CO. LTD.
117 Hweilai St., Chang Hwa (Yuanlin) 510, Ph. 048-323464.
CONTACT PERSON: S.F. Liang, Oil & Meal Sales Mgr.
Mayonnaise, refined soy oil and CHUAN YUAN salad oil.*

EAGLE INDUSTRY CORP.
12th Floor 310 Sec. 4, Chung Hsiao E. Rd., Taipei, Ph. 02-7811161-70.
CONTACT PERSON: I.C. Soo, Plant Mgr.
EAGLE soy and salad oil.*

GREAT WALL ENTERPRISES CO. LTD.
8th Floor, 310 Sec. 4, Chung Hsiao E. Rd., Taipei, Ph. 02-7716677.
CONTACT PERSON: K.L. Tseng, Plant Mgr.
Soy oil and salad oil.*

HSIAOKANG SUGAR MILLS, TSC
25 Paoching Rd., Taipei, Ph. 02-3110521; Plant at: Kaohsiung.
CONTACT PERSON: J.N. Wu, Plant Mgr.
TAITANG salad oil.*

HUIE SHENG OIL MILL CO. LTD.
102 Wenshan, Wenshan Li, Miaoli, Ph. 037-320826; Plant at: Kaohsiung (Luchu).
CONTACT PERSON: S.Y. Wang, Pres.
SHENG-LI soy and salad oil.*

PRESIDENT ENTERPRISES CORP.
2-20 Yan Harng, Tainan Yungkang, Ph. 062-232171.
Margarine, shortening.*

TAI HWA OIL INDUSTRIAL CO. LTD.
37 Lane 67, Linsheng N. Rd., Taipei, Ph. 02-5110121.
GOLD soy and salad oil.*

TAY SHAN ENTERPRISE CO. LTD.
Fuchiung Rd., Chang Hwa (Yuanlin) 510, PH. 048-322122; Other location: Taipei.
TAY SHAN soy and salad oils.*

THAILAND

INDUSTRIAL ENTERPRISES CO. LTD.
179 Surawongse Rd., Bangkok, Ph. 2354855-9. Plant at: Pak Kret, Nonthaburi.
CONTACT PERSON: Viraj Sasivongbhakdi, Asst. Mgr. Dir.
TIP cooking/salad oil.*

TURKEY

SUMERBANK ORDU SOYA SANAYII MUESSESESI
Aff. of Sumerbank, Ordu, Ph. 1420; TLX: 82168 (SUSO TR).
SUMERBANK soy oil.

VENEZUELA

C.A. FACEGRA
Av. Navas Spinola, c/c Farriar - Apdo. No. 1, Valencia, Carabobo, Ph. (045) 71.13.30, 71.11.27, 71.11.52 or 71.48.70; TLX: 41171.
CONTACT PERSON: Saul Hernandez Yanez, Gen. Plant Mgr.
ACEITE EL REY cooking/salad oil.*

COROIL, C.A.
Avenida Lisboa, Quinta Costa Brava La California Norte, Caracas, Miranda, 61313, Ph. (58) 21-52-24 or 21-84-35; TLX: 24946 Coroi VC.
CONTACT PERSON: Antonio Navarro Mendez, Pres.
Margarine, shortening and cooking/salad oil.*

SOY SAUCE

UNITED STATES

GREAT CHINA FOOD PRODUCTS CO.
2520-58 S. State St., Chicago, IL 60616, Ph. 312-225-8600.
CONTACT PERSON: Yook Lam, Pres.
Soy sauce.

KIKKOMAN INTERNATIONAL INC.
50 California St., Suite 3600, San Francisco, CA 94111, Ph. 415-956-7750.
CONTACT PERSON: Kaz Takei, VP Inst. & Ind. Sales
Soy sauce, teriyaki sauce, meat marinades and powdered soy sauce.

MANDARIN SOY SAUCE INC.
419 North St., Middletown, NY 10940, Ph. 914-343-1505.
CONTACT PERSON: Wen-Chau Chiu, Pres.
WAN JA SHAN soy sauce.

S.E. RYKOFF & CO.
737 Terminal St. (Mfg.) and 761 Terminal St. (Dist.), Los Angeles, CA 90021, Ph. 213-622-4131.
Soy sauce.

SOYFOODS ASSOCIATION OF NORTH AMERICA
Sunrise Farm, Heath Rd., Colrain, MA 01340, Ph. 413-624-5591.
CONTACT PERSON: Richard Leviton, Exec. Dir.
The trade association of soy dairies and tofu, tempeh and miso shops in North America.

A.E. STALEY MFG. CO.
Protein Div., P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411.
Soybean and corn hydrolyzates and flavoring.

JAPAN

NIKKO OIL MILLS CO. LTD.
Kanda-Ogawamachi 2-12 Chiyoda-ku, Tokyo, Ph. 03-233-3960; TLX: 222-4940.
CONTACT PERSON: F. Nonaka, Mgr. Dir.
NIKKO-MAME soybean meal for soy sauce and miso.*

KOREA

SAMPYO FOODS CO., LTD.
647-2 Chang-Dong, Dobong-Gu, Seoul, Ph. 992-7111-7.
CONTACT PERSON: Wan Sik Kim, Mgr. Dir.
Soy sauce.*

MALAYSIA

YEO HIAP SENG (Malaysia) BERHAD
7 Jalan Tandang, P.O. Box 229, Petaling Jaya, Selangor, Ph. 573733; TLX: 37544 (YHS MA).
CONTACT PERSON: Mrs. C.K. Lo, Purch. Mgr.
YEO's Soy Sauce.*

MEXICO

GLUCOSA S.A.
Naranja 159, Naucalpan, Ph. 576-23-33.
Soy sauce.

SINGAPORE

THE AMOY CANNING CORP. (SINGAPORE) LTD.
13 KM Bukit Timah Rd., Singapore, Ph. 663566.
Soy sauce.

YEO HIAP SENG LTD.
950 Dunearn Rd., Singapore 2158, Ph. 662266; TLX: RS 22143.
CONTACT PERSON: Joseph Yeo, Export Mgr.
Soy sauce.*

TAIWAN

PRESIDENT ENTERPRISES CORP.
2-20 Yan Harng, Tainan Yungkang 711, Ph. 062-232-1717.
Soy sauce.*

WAN-JIA-SHIANG BREWERY CO. LTD.
80-1, Hope St., Sanchung, Taipei 241, Ph. 02-981-13183.
MANDARIN soy sauce and canned foods.*

WEI WONG FERMENTATION INDUSTRIAL CO., LTD.
9th Flr., No. 79, Chungshan N. Rd., Sec. 2, Taipei, 104, Ph. (02) 571-7271; TLX: 19581 (FERMENT); Other locations: Shulin, Taipei; Sanchung; Yunlin.
WEI WONG soy sauce.*

WEI-CHUAN FOODS CORP.
125 Sunchiang Rd., Taipei, Ph. 02-541-8221; Plant at: No. 518, Chung-Hsin Rd., Sec. 5, San-Chung City 241, Ph. 02-982-1119.
Soy sauce, flavoring agent, dairy products and canned foods.*

THAILAND

THAI THEPAROS FACTORY R.O.P.
206 M006, Taiban Rd., Samutpragarn, Ph. 3950177.
CONTACT PERSON: Somsakdi Vacharothayangul
Soy sauce.*

SOYBEANS, CANNED

UNITED STATES

LOMA LINDA FOODS
Riverside, CA 92515, Ph. 714-687-7800.
BOSTON-STYLE Soybeans and GREEN Soybeans.

SOYFOODS ASSOCIATION OF NORTH AMERICA
Sunrise Farm, Heath Rd., Colrain, MA 01340, Ph. 413-624-5591.
CONTACT PERSON: Richard Leviton, Exec. Dir.
The trade association of soy dairies and tofu, tempeh and miso shops in North America.

JAPAN

NIKKO OIL MILLS CO. LTD.
Kanda-Ogawamachi 2-12 Chiyoda-ku, Tokyo, Ph. 03-233-3960; TLX: 222-4940.
CONTACT PERSON: F. Nonaka, Mgr. Dir.
NIKKO-SENBETSU-DAIZU selected soybeans for tofu.*

MEXICO

ALIMENTO COL-PAC
KM 13 Carratera Huatabampo, Apartado No. 502, Navojoa Sonora, Ph. 2-08-42.
Canned whole soybeans.

SOYBEANS FOR COOKING AND SPROUTING

UNITED STATES

JAMES E. DUNN GRAIN SERVICES, INC.
714 West First St., Cedar Falls, IA 50613, Ph. 319-277-7202; TLX: 465650.

CONTACT PERSON: James E. Dunn, Pres.
Supplier of soybeans for cooking, sprouting and tofu.

EL MOLINO MILLS
Div. of ACG Co., 345 N. Baldwin Park Blvd., City of Industry, CA 91746, Ph. 213-962-7167; TLX: 674613.
CONTACT PERSON: Linda Nelson
COOK's Best vegetable-edible variety soybeans.

INARI, LTD.
2331 Forest Rd., Lansing, MI 48910, Ph. 517-882-3323; TLX: 229440 (MICH AGRI LSG).
CONTACT PERSON: Leonard M. Stuttman, Pres.
SUPER SOY and SOLAR SOYA.

THE MIAMI MARGARINE CO.
FOOD SERVICE DIV.
5226 Vine St., Cincinnati, OH 45217, Ph. 513-242-2310.
CONTACT PERSON: Paul R. Horton, Mgr. Food Serv.
Soybeans for cooking and sprouting.

MIDWEST SOYA INTERNATIONAL INC.
814 N. Fifth, Clear Lake, IA 50428, Ph. 515-357-6131.
CONTACT PERSON: Kim Pleggenkuhle
MSI brand soybeans.

J.M. SCHULTZ SEED COMPANY
105 Pine St., Dieterich, IL 62424, Ph. 217-925-5212; TLX: 910 663 2660 (SCHULTZ DTRK); Other plants: Beardstown, IL; Paris, IL; Woodburn, IN; Ashland, OH.
CONTACT PERSON: Jack Schultz, Pres.
Soybeans for cooking and sprouting.

SOYFOODS ASSOCIATION
OF NORTH AMERICA
Sunrise Farm, Heath Rd., Colrain, MA 01340, Ph. 413-624-5591.
CONTACT PERSON: Richard Leviton, Exec. Dir.
The trade association of soy dairies and tofu, tempeh and miso shops in North America.

STRAYER SEED FARMS INC.
Hudson, IA 50643, Ph. 319-988-3640.
CONTACT PERSON: Dennis Strayer, owner
PRIZE, VINTON, MARION, BEESON, KIM and JADE varieties for cooking, baking and foods manufacturing. CORSOY and AMSOY for sprouting. Mechanical splitting available.

ENGLAND

SOYA FOODS LTD.
New Malden House 1, Blagdon Rd., New Malden Surrey KT3 4TB, Ph. 01-949-2141; TLX: 896660.
CONTACT PERSON: Roger Woodfield, Prod. Dev. Mgr.
Soybeans, roasted.*

SINGAPORE

YEO HIAP SENG LTD.
950 Dunearn Rd., Singapore 2158, Ph. 662266; TLX: RS 22143.
CONTACT PERSON: Joseph Yeo, Export Mgr.
Soybeans for cooking and sprouting.*

SOYBEANS, ROASTED

UNITED STATES

EDIBLE SOY PRODUCTS, INC.
7th and Hwy. 63, Hudson, IA 50643, Ph. 319-988-3221.
CONTACT PERSON: West Coast - Roger Graessle; East Coast - Robert Greenberger; Midwest - Miller Rowe
Dehulled toasted soybeans, soybean halves, dry roasted, diced and toasted soybeans - 88% polyunsaturated fat and 10 essential amino acids, no solvents used.

HI-PRO PRODUCTS, INC.
1605 John St., Fort Lee, NJ 07024, Ph. 201-944-2650; Plant at: Lakeville, MN.
CONTACT PERSON: Jeanne Dubos, Acct. Mgr.
SOYTOWN and SOY AHOY roasted soynuts, salted, unsalted and barbecue flavored.

INARI, LTD.
2331 Forest Rd., Lansing, MI 48910, Ph. 517-882-3323; TLX: 229440 (MICH AGRI LSG).
CONTACT PERSON: Leonard M. Stuttman, Pres.
Whole roasted soynuts from identity preserved soybeans. Salted, unsalted, flavored to customer specification. I.P. soybeans for human consumption. Soy flour, grits and candied soynuts. SUPER SOY and SOLAR SOY brands.

MIDWEST SOYA INTERNATIONAL INC.
814 N. 5th, Clear Lake, IA 50428, Ph. 515-357-6131.
CONTACT PERSON: Kim Pleggenkuhle
MSI Brand soybeans.

PIONEER SPECIALTY FOODS
P.O. Box 1568, Fargo, ND 58102, Ph. 701-282-2397.
CONTACT PERSON: Rich Ward, Sales
Roasted and salted snack soybeans, soy flour and soybeans for human consumption.

SOYFOODS ASSOCIATION
OF NORTH AMERICA
Sunrise Farm, Heath Rd., Colrain, MA 01340, Ph. 413-624-5591.
CONTACT PERSON: Richard Leviton, Exec. Dir.
The trade association of soy dairies and tofu, tempeh and miso shops in North America.

ENGLAND

SOYA FOODS LTD.
New Malden House 1, Blagdon Rd., New Malden Surrey KT3 4TB, Ph. 01-949-2141; TLX: 096660.
CONTACT PERSON: Roger Woodfield, Prod. Dev. Mgr.
Soybeans for cooking and roasting.*

FEDERAL REPUBLIC OF GERMANY

INTERFOOD DEUTSCHLAND GmbH DIV.
Interfood Luxemburg SAH, 6380 Bad Homburg, Goldgrubenstr. 6A, Ph. 06172/22049; TLX: 0415840.
CONTACT PERSON: Hans D. Kneer, Mgr. Dir.
PRO-NUTS roasted soybeans.*

STERN-CHEMIE
Volkmar Wywiol, An der Alster 81, D-2000 Hamburg 1, Ph. 040/24 64 51, 040/24 64 52-53; TLX: 2 162 052 star d
CONTACT PERSON: Margit Glatz
Sternnuts, whole and sliced roasted soynuts, flavored and salted, brittle and all other soy protein grades and lecithin specialties.*

HOLLAND

SOLNUTS B.V.
Swaardvenstraat 41, P.O. Box 5066, 5004 EB Tilburg, Ph. 013-68-4991; TLX: 52654 (SOLNU NL).
CONTACT PERSON: H. Stolk, Export Mgr.
SOLNUTS, roasted soybeans.*

TOFU MANUFACTURERS & SOY DAIRIES

UNITED STATES

AZUMAYA INC.
1575 Burke Ave., San Francisco, CA 94124, Ph. 415-285-8500
CONTACT PERSON: Dorothy Mizono
Tofu.

MATSUDA-HINODE TOFU CO.
526 Stanford Ave., Los Angeles, CA 90013, Ph. 213-624-3615.

NEW ENGLAND SOY DAIRY
305 Wells St., Greenfield, MA 01301, Ph. 413-772-0746.
CONTACT PERSON: Tom Timmins, Pres.
SOYDAIRY.

QUONG HOP & CO.
161 Beacon St., South San Francisco, CA 94080, Ph. 415-873-4444.
CONTACT PERSON: Jim Miller, Dir. Mktg. & Sales, or Stanley Lee
Tofu mfg. including: wine fermented tofu; nigari tofu and soymilk; tofu burgers, dressing, and salad; Ice Delight (frozen non-dairy dessert); Savory baked tofu; tofu cutlets, tofu frozen continental entrees (French & Italian), QUONG HOP and NEW LEAF tofu quiche, ravioli, "wholly tofu cannoli."

SOYFOODS ASSOCIATION OF NORTH AMERICA
Sunrise Farm, Heath Rd., Colrain, MA 01340, Ph. 413-624-5591.
CONTACT PERSON: Richard Leviton, Exec. Dir.
The trade association of soy dairies and tofu, tempeh and miso shops in North America.

THE SOYFOODS CENTER
P.O. Box 234, Lafayette, CA 94549, Ph. 415-283-2991.
CONTACT PERSON: Bill Shurtleff
Source of publications and information on tofu, soymilk, miso, tempeh and other low-technology soyfoods; consulting done concerning these industries and starting these businesses.

INDIA

PRESTIGE FOODS PRIVATE LIMITED
32, 11-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
PRESTIGE soy dairy.*

ITALY

LUCAS MEYER S.R.L.
Via Venezia 34, Vigonza (PD), 35010, Ph. (049) 629011; TLX: 430145 (GIPAI).
CONTACT PERSON: Axel Skulte, Pres.
Soy dairy.*

MALAYSIA

YEO HIAP SENG (Malaysia) BERHAD
7 Jalan Tandang, P.O. Box 229, Petaling Jaya, Selangor, Ph. 573733; TLX: 37544 (YHS MA).
CONTACT PERSON: Mrs. C.K. Lo, Purch. Mgr.
YEO's Soy Drink.*

THAILAND

KICKAPOO (THAILAND) CO., LTD.
3532 Sukhumvit Rd., Bangna, Bangkok 26, Ph. 393-0576, 393-1202.
CONTACT PERSON: Mr. Thiva Chiraphadhanakul
LACTASOY soy dairy.*

WHIPPING AGENTS

UNITED STATES

S.E. RYKOFF & CO.
737 Terminal St. (Mfg.) and 761 Terminal St. (Dist.), Los Angeles, CA 90021, Ph. 213-622-4131.

A.E. STALEY MFG. CO.
Protein Div., Gunther Products, P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411; Plant at: Galesburg, IL, Ph. 309-342-0119.
GUNTHER whipping and foaming agents for food and industrial use.

ITALY

LUCAS MEYER S.R.L.
Via Venezia 34, Vigona (PD), 35010, Ph. (049) 629011; TLX: 430145 (GIPAI).
CONTACT PERSON: Axel Skulte, Pres.
Whipping agents.*

industrial product manufacturers

*Updated listing of non-U.S. firm.

ADHESIVES/COATINGS

UNITED STATES

ARCHER DANIELS MIDLAND CO.
4666 Faries Pkwy., Decatur, IL 62526, Ph. 800-637-5850.
Kaysoy industrial soy flours, soybean proteins for paper and paperboard laminating.

COLUMBUS COATED FABRICS CO.
Div. Borden Chemical, Borden, Inc., 7th & Grant Ave., Columbus, OH 43216, Ph. 614-225-6060.
Plastic sheeting, calendered wall coverings, coated fabrics and upholstery materials.

DURKEE FOODS DIV.
SCM CORPORATION
900 Union Commerce Bldg., Cleveland, OH 44115, Ph. 216-344-8000; Other locations: Lafayette, CA; Chicago, IL; New York, NY.
CONTACT PERSON: Leonard S. Milazzo, VP Mfg./Eng.
Adhesives/coatings.

HENKEL CORPORATION
4620 W. 77th, Minneapolis, MN 55435, Ph. 612-830-7808; TLX: 29-0472.
CONTACT PERSON: Walter Whitehill, Dir. of Mktg., Fine Chem.

HONEYMEAD PRODUCTS CO.
Mankato, MN 56001, Ph. 507-625-7911.
CONTACT PERSON: Ed Senska
Glues, plywood adhesives.

RALSTON PURINA CO.
Polymer Div., Checkerboard Square, St. Louis, MO 63188, Ph. 800-325-7137.
Pro-Cote proteins for board, wallpaper and paper coatings, on and off machine at all solids level, sizing, calender and size press, paints pigment dispersants, printing inks, joint cements and water putties, general coatings and adhesives.

RALSTON PURINA CO.
Soybean Div., Checkerboard Square, St. Louis, MO 63188, Ph. 800-325-7137.
Pro-Cotes and Purina Polymers for use in water resistant laminating, corrugating and tube winding adhesives. Sizes and tile coatings, texture paints and topping cements and general water resistant adhesive applications.

SPENCER KELLOGG DIV.
TEXTRON INC.
Buffalo, NY 14240, Ph. 716-852-5850.
CONTACT PERSON: Richard E. Punnett, Dir. Commodity Prod.
Adhesives/coatings.

A.E. STALEY MFG. CO.
Protein Div., P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411.
Soy products for use in manufacturing of plywood adhesives.

INDIA

JINDAL SOLVENT EXTRACTIONS
Kashipur-244713, Ph. 270 and 292.
CONTACT PERSON: Vijay Kumar Jindal
Adhesives/coatings.*

JAPAN

HOHNEN OIL CO. LTD.
Mitsui Life Insurance Bldg., 1-2-3 Ohtemachi, Chiyoda-ku, Tokyo, Ph. 211-6511.
Synthetic resin adhesives and decorative plastic laminates.

SHOWA SANGYO CO. LTD.
2-1, 2-Chome, Uchikanda, Chiyoda-ku, Tokyo 101, Ph. 257-2020.
CONTACT PERSON: T. Ena, Mgr. Dir.
SHOWA soybean glue.*

INDUSTRIAL LECITHIN

UNITED STATES

CENTRAL SOYA
Chemurgy Div., 1300 Ft. Wayne National Bank Bldg., P.O. Box 1400, Fort Wayne, IN 46801-1400, Ph. 219-425-5181; TLX: 27-61-70 CENSOYA FWA A.
CONTACT PERSON: Jack Self, Natl. Sls. Mgr.
Soy lecithins, a complete line of natural, modified grades for industrial, food and pharmaceutical fields.

HONEYMEAD PRODUCTS CO.
Mankato, MN 56001, Ph. 507-625-7911.
CONTACT PERSON: Dave Schostag
Industrial lecithin.

LUCAS MEYER INC.
Div. Lucas Meyer Hamburg, 765 E. Pythian Ave., Decatur, IL 62526, Ph. 217-875-3660; TLX: 40-4387.
Soy lecithin in modified and deoiled grades for industrial applications.

RALSTON PURINA CO.
Soybean Div., Checkerboard Square, St. Louis, MO 63188, Ph. 800-325-7136.
PUR-A-LEC lecithins; standard plastic and fluid grades, unbleached, as emulsifiers and dispersants.

RICELAND FOODS
2120 S. Park Ave., P.O. Box 926, Stuttgart, AR 72160, Ph. 501-673-5500; Other location: Helena, AR.
Industrial lecithin.

ROSS & ROWE
Div. of Archer Daniels Midland Co., P.O. Box 1409, Decatur, IL 62525; Other location: Elizabeth, NJ.

CONTACT PERSON: Lynn Adolphson, Mgr.
Mfg. of R&R 551 Interface Modifier for latex, PVA and acrylic emulsion paints, manufacturer of the complete line of YELKIN lecithin products for oil base paints.

SPENCER KELLOGG DIV.
TEXTRON INC.
Buffalo, NY 14240, Ph. 716-852-5850.
CONTACT PERSON: Richard E. Punnett, Mgr. Commodity Prod.
Manufacturer of KELECIN F for solvent systems and KELECIN 1081 water dispersible lecithin.

A.E. STALEY MFG. CO.
Refined Oil Div., P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411.
CONTACT PERSON: L.P. McNamara, Sales Mgr., Ref. Oil
STA-SOL soy lecithin, bleached and unbleached fluid grades, water dispersible grades available.

BELGIUM

N.V. VAMO MILLS
Prins Albertlaan 12, 8700 Izegem, Ph. 051-30-22-22; TLX: 81622; Other locations: Gent and Merksem.
Industrial lecithin.*

BRAZIL

COMPANHIA MOGIANA
DE OLEOS VEGETAIS
Av. Sete No. 2300, Orlandia, Sao Paulo, Ph. (016) 726-3666 (PABX 15 tronco); TLX: 0166445 (CMOV).
CONTACT PERSON: Silvio Ferraz Pires, Asst. Dir.
Industrial lecithin.*

FAROL S.A.-
IND. GAUCHA DE FARELOS E OLEOS
Avenida Borges de Medeiros 659 - 12th Flr., Porto Alegre, RGS, 90000, Ph. (512) 33-79-88; TLX: 51-1732 STEF BR; Other plants: Estrela, RGS; Feliz, RGS; Sapucaia Do Sul, RGS; Ituiutaba, MG.
CONTACT PERSON: Stefan Wenzel, Export Dir.
Industrial lecithin.*

CANADA

CANADA PACKERS INC.
CHEMICAL DIV.
5100 Timberlea Blvd., Mississauga, Ontario L4W 2S5, Ph. 416-624-7000.
Industrial lecithin.*

CANADIAN VEGETABLE OIL PROCESSING
Div. Canada Packers Inc., Victoria Ave. & Burlington St., Hamilton, Ontario, Ph. 416-527-9121; TLX: 061-8315.
CONTACT PERSON: Paul W. Glenney, Asst. Gen. Mgr.
Industrial lecithin.*

MAPLE LEAF MONARCH CO.
365 Evans Ave., Toronto, Ontario M8Z 5W7, Ph. 416-252-5551; TLX: 06-984560; Plant at: Windsor, Ontario.
CONTACT PERSON: Be Nijhuis, Indus. Oil Mgr.
Industrial lecithin.*

COLOMBIA

LA AMERICANA GRASAS Y
ACEITES COMESTIBLES S.A.
Carrera 1B, No. 47-12, Cali, Ph. 441021; TLX: 055-706.
CONTACT PERSON: Ivan Palacio Lujan
Industrial lecithin.*

GRASAS VEGETALES S.A.
Carerra 51, No. 49-59, Piso 10, Box 5002, Medellin; TLX: 06-797; Plant at: Sabaneta, Antioquia.
CONTACT PERSON: German Castillo Ramirez, Gen. Mgr.
Industrial lecithin.*

DENMARK

DANSK SOJAKAGEFABRIK A/S
Islands Brygge 24, 2300 Copenhagen S., Ph. 1546600; TLX: 31313.
CONTACT PERSON: Steen Kjeldsen, Mgr.
Industrial lecithin.*

FEDERAL REPUBLIC OF GERMANY

LUCAS MEYER GmbH
Ausschlaeger Elbdeich 62, Hamburg 28, Ph. 781-701.
Lecithin products for technical applications. Fluid, deoiled and fractionated grades.*

NATTERMANN CHEMIE GmbH
Nattermannallee 1, D-5000 Koln 30, Ph. 509-1; TLX: 8881928.
Lecithin products for the industrial field. Natural, modified, fractionated and oil-free lecithin.*

FRANCE

SOCIETE INDUSTRIELLE
DES OLEAGINEUX: SIO
Direction Proteines, Groupe Lesieur, 122 Av. du General De Gaulle, Boulogne-Billancourt, 92103, Ph. (1) 604 30 32; TLX: 260917 (SOLEAG).
CONTACT PERSON: Guy Deneck, Proteins Dir.
Industrial lecithin.*

INDIA

MANGLIAGAON (M.P.)
GENERAL FOODS PRIVATE LTD.
150, Jaora Compound, Indore-452001, Ph. 6889 or 7467; TLX: 0735-203.
CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Industrial lecithin.*

PRESTIGE FOODS PRIVATE LIMITED
32, 11-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
Industrial lecithin.*

VIPPY SOLVEX PRODUCTS PRIVATE LTD.
28 Industrial Area, A.B. Rd., Dewas 455-001 M.P., Ph. 581; TLX: 0732-201 (VSPIN).
CONTACT PERSON: Prakash Mutha, Mgr. Dir.
Industrial lecithin.*

ISRAEL

IZHAR OIL INDUSTRY OF ISRAEL LTD.
P.O. Box 823, Tel-Aviv, Ph. 252444; TLX: 33441 (OCEAN IL).
CONTACT PERSON: M. Mitelman
Industrial lecithin.*

SHEMEN INDUSTRIES LTD.
P.O. Box 136, Haifa 31000, Ph. 04-670491; TLX: 46776 (KFood IL).
CONTACT PERSON: Z. Neumann, Mktg. Dir.
Industrial lecithin.*

ITALY

INDUSTRIE CHIMICHE ITALIA CENTRALE S.p.A. I.C.I.C.
Molo Sud, Zona Industriale, ANCONA Ph. 071/55771; TELEGRAPH: ICIC Ancona; TLX: 560035 ICIC A - 560866 ICIC B.
CONTACT PERSON: F. Cornacchioli, Ind. Oil Sales Mgr.
Industrial lecithin.*

ITALIANA OLII E RISI S.p.A.
Via Romolo Gessi, 20, Ravenna, 48100, Ph. 0544-31222; TLX: 550077 IORRA I; Other plants: Porto Cordini, Ravenna; Porto Marghera, Venice; Aprilia, Latina.
CONTACT PERSON: Ing. Stefano Ghirardini, Tech. Dir.
Industrial lecithin.*

LIQUIFARM-GRUPPO INDUSTRIE ALIMENTARI S.p.A. IN AMMINISTRAZIONE STRAORDINARIA
Via L. da Vinci 19, Livorno, Ph. 34731; TLX: 500053; CABLE: GIAMIX.
CONTACT PERSON: Dr. Eugenio De Biase, Plant Mgr.
Industrial lecithin.*

S.I.O. RAVENNA S.p.A.
Via Farini N. 56, Modena, 41100, Ph. (059) 22 25 71; TLX: 51 0138 (SIO MO I); Plant at: Ravenna.
CONTACT PERSON: Giancarlo Zelocchi, Mgr. Dir.
Industrial lecithin.*

JAPAN

TOYO OIL MILLS CO. INC.
Subsidiary of Ajinomoto Co. Inc., Tokyo; 230 Shinminato, Chiba-Shi 260, Ph. 0472-41-1251.
CONTACT PERSON: N. Tachikawa, Supt.
Industrial lecithin.*

KOREA

DONGBANG OIL AND FLOUR MILLS CO., LTD.
No. 2 Yangpyong-dong 4-ka, Yungdungpo-ku, Seoul, Ph. 633-3921; TLX: K27334 KOSADB; Plant at: Jin Hae, Kyung Nam.
CONTACT PERSON: Myoungsoo Shin, Pres.
Industrial lecithin.*

MEXICO

GALLETERA MEXICANA S.A. (GAMESA)
Ciudad Obregon, Sonora.
CONTACT PERSON: Ing. Jose Arturo Zablah Kuri, Planning Dir.
Industrial lecithin.*

NETHERLANDS

UNIMILLS B.V.
Lindtsedijk 8, 3336 LE Zwijndrecht, Ph. 078-125144; TLX: 29031 (UMIL NL).
Industrial lecithin.*

NORWAY

A/S DE-NO-FA OG LILLEBORG FABRIKER
Sandakerveien 56, Oslo, Ph. 22-00-50; TLX: 11-181; Plant at: Fredrikstad.
CONTACT PERSON: John Tveito, Dir.
Industrial lecithin.*

TURKEY

SUMERBANK ORDU SOYA SANAYII MUESSESESI
Aff. of Sumerbank, Ordu, Ph. 1420; TLX: 82168 (SUSO TR).
Raw lecithin.*

VENEZUELA

EXTRACTORA NACIONAL DE OLEAGINOSAS S.A. (ENDOSA)
Protinal CA, P.O. Box 83, Valencia, Ph. 34 20 11; Plant at El Morro, Valencia.
CONTACT PERSON: Ing. Omar Hernandez
Industrial lecithin.*

INDUSTRIAL SOY FLOUR

UNITED STATES

CARGILL INC.
P.O. Box 9300, Minneapolis, MN 55440, Ph. 612-475-6090.
Industrial soy flour.

CENTRAL SOYA
Chemurgy Div., 1300 Fort Wayne National Bank Bldg., P.O. Box 1400, Fort Wayne, IN 46801-1400, Ph. 219-425-5508; TLX: 27-61-70 CENSOYA FWA A.
CONTACT PERSON: Jack Self, Natl. Sls. Mgr.
Defatted soy flour, PROSOY L.

HONEYMEAD PRODUCTS CO.
Mankato, MN 56001, Ph. 507-625-7911.
CONTACT PERSON: Ed Senska
Manufacturer of Lamisoy industrial soy flour.

A.E. STALEY MFG. CO.
Protein Div., P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411.
Staley's extracted soy flours with 15-90-PDI range.

BELGIUM

N.V. VAMO MILLS
Prins Albertlaan 12, 8700 Izegem, Ph. 051-30-22-22; TLX: 81622; Other locations: Gent and Merksem.
Industrial soy flour.*

BRAZIL

COMPANHIA MOGIANA DE OLEOS VEGETAIS
Av. Sete No. 2300, Orlandia, Sao Paulo, Ph. (016) 726-3666 (PABX 15 tronco); TLX: 0166445 (CMOV).
CONTACT PERSON: Silvio Ferraz Pires, Dir.
Industrial soy flour.*

FAROL S.A.-IND. GAUCHA DE FARELOS E OLEOS
Avenida Borges de Medeiros 659 - 12th Flr., Porto Alegre, RGS, 90000, Ph. (512) 33-79-88; TLX: 51-1732 STEF BR; Other plants: Estrela, RGS; Feliz, RGS; Sapucaia Do Sul, RGS; Ituiutaba, MG.
CONTACT PERSON: Stefan Wenzel, Export Dir.
Industrial soy flour.*

COLOMBIA

LA AMERICANA GRASAS Y ACEITES COMESTIBLES S.A.
Carrera 1B, No. 47-12, Cali, Ph. 441021; TLX: 055-706.
CONTACT PERSON: Ivan Palacio Lujan
Industrial soy flour.*

FINLAND

OY KASVIOLJY
21200 Raisio, Ph. Turku 921-780-311; TLX: 62140 (RAUL SF).
CONTACT PERSON: Heiki Siintola, Mgr. Foreign Dept.
Industrial soy flour.*

FRANCE

SOCIETE INDUSTRIELLE DES OLEAGINEUX: SIO
Direction Proteines, Groupe Lesieur, 122 Av. du General De Gaulle, Boulogne-Billancourt, 92103, Ph. (1) 604 30 32; TLX: 260917 (SOLEAG).
CONTACT PERSON: Guy Deneck, Proteins Dir.
Industrial soy flour.*

INDIA

JINDAL SOLVENT EXTRACTIONS
Kashipur-244713, Ph. 270 and 292.
CONTACT PERSON: Vijay Kumar Jindal
Industrial soy flour.*

MANGLIAGAON (M.P.) GENERAL FOODS PRIVATE LTD.
150, Jaora Compound, Indore-452001, Ph. 6889 or 7467; TLX: 0735-203.
CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Industrial soy flour.*

PRESTIGE FOODS PRIVATE LIMITED
32, 11-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
Industrial soy flour.*

VED BRAT & CO.
39C Prem House, Connaught Pl., New Delhi 110 001, Ph. 352761 or 615100.
CONTACT PERSON: V. Brat, Pres.
Industrial soy flour.*

VIPPY SOLVEX PRODUCTS PRIVATE LTD.
28 Industrial Area, A.B. Rd., Dewas 455-001 M.P., Ph. 581; TLX: 0732-201 (VSPIN).
CONTACT PERSON: Prakash Mutha, Mgr. Dir.
Industrial soy flour.*

ISRAEL

IZHAR OIL INDUSTRY OF ISRAEL LTD.
P.O. Box 823, Tel-Aviv, Ph. 252444; TLX: 33441 (OCEAN IL).
CONTACT PERSON: M. Mitelman
Industrial soy flour.*

ITALY

ITALIANA OLII E RISI S.p.A.
Via Romolo Gessi, 20, Ravenna, 48100, Ph. 0544-31222; TLX: 550077 IORRA I; Other plants: Porto Cordini, Ravenna; Porto Marghera, Venice; Aprilia, Latina.
CONTACT PERSON: Ing. Stefano Ghirardini, Tech. Dir.
Industrial soy flour.*

LIQUIFARM-GRUPPO INDUSTRIE ALIMENTARI S.p.A. IN AMMINISTRAZIONE STRAORDINARIA
Via L da Vinci 19, Livorno, Ph. 34731; TLX: 500053; CABLE: GIAMIX.
CONTACT PERSON: Dr. Eugenio De Biase, Plant Mgr.
Industrial soy flour.*

S.I.O. RAVENNA S.p.A.
Via Farini N. 56, Modena, 41100, Ph. (059) 22 25 71; TLX: 51 0138 (SIO MO I); Plant in: Ravenna.
CONTACT PERSON: Giancarlo Zelocchi, Mgr. Dir.
Industrial soy flour.*

KOREA

DONGBANG OIL AND FLOUR MILLS CO., LTD.
No. 2 Yangpyong-dong 4-ka, Yungdungpo-ku, Seoul, Ph. 633-3921; TLX: K27334 KOSADB; Plant at: Jin Hae, Kyung Nam.
CONTACT PERSON: Myoungsoo Shin, Pres.
Industrial soy flour.*

MEXICO

GALLETERA MEXICANA S.A. (GAMESA)
Ciudad Obregon, Sonora.
CONTACT PERSON: Ing. Jose Arturo Zablah Kuri, Planning Dir.
Industrial soy flour.*

VENEZUELA

EXTRACTORA NACIONAL DE OLEAGINOSAS S.A. (ENDOSA)
Protinal CA, P.O. Box 83, Valencia, Ph. 34 20 11; Plant at: El Morro, Valencia.

CONTACT PERSON: Ing. Omar Hernandez
Industrial soy flour.*

INDUSTRIAL SOY OIL

UNITED STATES

CARGILL INC.
P.O. Box 9300, Minneapolis, MN 55440, Ph. 612-475-6625.
Industrial soy oil.

CENTRAL SOYA
Refined Oil Div., 1300 Fort Wayne National Bank Bldg., P.O. Box 1400, Fort Wayne, IN 46801-1400, Ph. 219-425-5373; TLX: 27-61-70 CENSOYA FWA A; Plants at: Decatur, IN; Bellevue, OH; Chattanooga, TN.
CONTACT PERSON: Keith Darby, Dir. Mktg.
Industrial refined sov oil.

DURKEE FOODS DIV.
SCM CORPORATION
900 Union Commerce Bldg., Cleveland, OH 44115, Ph. 216-771-5121.
CONTACT PERSON: Leonard S. Milazzo, VP Mfg./Eng.
Industrial soy oil.

HONEYMEAD PRODUCTS CO.
Mankato, MN 56001, Ph. 507-625-7911.
CONTACT PERSON: Stanley Eichten
Industrial refined soy oil.

THE MIAMI MARGARINE CO.
FOOD SERVICE DIV.
5226 Vine St., Cincinnati, OH 45217, Ph. 513-242-2310.
Industrial soy oil.

RICELAND FOODS
2120 S. Park Ave., P.O. Box 926, Stuttgart, AR 72160, Ph. 501-673-5500; Other location: Helena, AR.
Industrial soy oil.

C.F. SIMONIN'S SONS INC.
Tioga and Belgrade St., Philadelphia, PA 19134, Ph. 215-426-2300.
CONTACT PERSON: W.J. Lewis, Exec. VP
Industrial soy oil.

A.E. STALEY MFG. CO.
P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411.
For use in alkyd resin formulation. Alkali refined soy oils, bleached and unbleached.

BELGIUM

N.V. VAMO MILLS
Prins Albertlaan 12, 8700 Izegem, Ph. 051-30.22.22; TLX: 81622; Other locations: Gent and Merksem.
Industrial soy oil.*

SCALDISWERKEN RUIEN N.V.
6 Avelgemstraat, B9690 Kluisbergen-Rulen, Ph. 055-388412.
CONTACT PERSON: Albert Windels, Ing.
Industrial soy oil.*

VANDEMOORTELE N.V.
Prins Albertlaan 12, Izegem 8700, Ph. 051/30.22.22 or 051/30.38.38; TLX: 81 622 (VAMO B).
CONTACT PERSON: T. Claerhout, Sales Dir.
Industrial soy oil.*

BRAZIL

COMPANHIA MOGIANA
DE OLEOS VEGETAIS
Av. Sete No. 2300, Orlandia, Sao Paulo, Ph. (016) 726-3666 (PABX 15 tronco); TLX: 0166445 (CMOV).
CONTACT PERSON: Silvio Ferraz Pires, Dir.
Industrial soy oil.*

FAROL S.A.-IND. GAUCHA
DE FARELOS E OLEOS
Avenida Borges de Medeiros 659 - 12th Flr., Porto Alegre, RGS, 90000, Ph. (512) 33-79-88; TLX: 51-1732 STEF BR; Other plants: Estrela, RGS; Feliz, RGS; Sapucaia Do Sul, RGS; Ituiutaba, MG.
CONTACT PERSON: Stefan Wenzel, Export Dir.
Industrial soy oil.*

FUJIWARA HISATO S.A.
Comercio e Industria, Rua Libero Badaro, 293, 27th Floor, Sao Paulo SP-BR, Ph. 229-1722; TLX: 11-23226 (FUHI-BR); Plant at: Cambe, P.R.
CONTACT PERSON: Gngo. Antonio Guilherme, Plant Mgr.
Industrial soy oil.*

GRANOL IND. COM. EXP. S/A.
Av. Indianopolis, 3303, Sao Paulo, 04063, Ph. (011) 2758254, 2752358, 2767733; TLX: 21275 (GCIL); TWX: 25090 (GCIL); Other locations: Junqueiropolis, S.P.; Tupa, S.P.; Lucelia, S.P.; Oswaldo Cruz, S.P.; Adamantina, S.P.; Pacaembu, S.P.
CONTACT PERSON: Juan Diego Ferres Diego, Industrial Dir.
Industrial soy oil.*

INDUSTRIA DE OLEOS PACAEMBU S/A
Rua Silva Teles, 1465 - Pari, Sao Paulo, CEP 03026, Ph. (011) 291-8844; TLX: (011) 22374 IOLP; Other plants: Cascavel, Parana; Paranavai, Parana; Paranagua, Parana; Fatime Do Sul, Mato Grosso Do Sul.
CONTACT PERSON: Kanje Adachi, Mgr.
Industrial soy oil.*

INDUSTRIA RESEGUE
DE OLEOS VEGETAIS S.A.
Rua Senador Feijo, 161-11th Floor, Sao Paulo, 01006, Ph. 011 34-8166/34-3113/34-5717/34-0997; TLX: 011 24762 (IROV BR); Other plant: Bariri, Sao Paulo.
CONTACT PERSON: Paulo Eduardo Rodrigues da Silva
Industrial soy oil.*

INDUSTRIAS J.B. DUARTE S/A
Rua dos Patriotas, 1382, Sao Paulo, 04207, Ph. (011) 274.8211; TLX: 01121226 (IJBDBR); Other locations: Santo Anastacio, Sao Paulo.

CONTACT PERSON: Archimedes Jorge Cortellazzi, Dir.
Industrial soy oil.*

KLEMM, GABE & CIA. LTDA.
Avenida Paul Harris, 420, Santa Cruz Do Sul, RS, 168, Ph. (051) 711-3956 or 711-3923; TLX: 51 2258.
CONTACT PERSON: Armando Gabe, Gen. Mgr.
Industrial soy oil.*

CANADA

MAPLE LEAF MONARCH CO.
365 Evans Ave., Toronto, Ontario M8Z 5W7, Ph. 416-252-5551; TLX: 06-984560; Plant at: Winsor, Ontario.
CONTACT PERSON: Be Nijhuis, Indus. Oil Mgr.
Industrial soy oil.*

VICTORY SOYA MILLS LTD.
333 Lake Shore Blvd. E., Toronto, Ontario M5A 1C2, Ph. 416-363-8771.
CONTACT PERSON: B.S. Aitken, Gen. Mgr.
Industrial soy oil.*

COLOMBIA

LA AMERICANA GRASAS Y ACEITES COMESTIBLES S.A.
Carrera 1B, No. 47-12, Cali, Ph. 441021; TLX: 055-706
CONTACT PERSON: Ivan Palacio Lujan
Industrial soy oil.*

ENGLAND

JAMES E. DEAN & CO.
51 Edison Rd., Rabans Lane, Aylesbury HP193TE, Ph. Aylesbury (0296) 34534; TLX: 837228.
CONTACT PERSON: G. Bruce
Industrial soy oil.*

FEDERAL REPUBLIC OF GERMANY

OELWERKE NOURY & VAN DER LANDE GmbH
IndustriestraBe 10, 4240 Emmerich/Rhein, Ph. 02822-741.
CONTACT PERSON: L. Tjerkstra, Dir.
Industrial soy oil.*

FINLAND

OY KASVIOLJY
21200 Raisio, Ph. Turku 921-780-311; TLX: 62140 (RAUL SF).
CONTACT PERSON: Heikki Siintola, Mgr. Foreign Dept.
Industrial soy oil.*

INDIA

MANGLIAGAON (M.P.) GENERAL FOODS PRIVATE LTD.
150, Jaora Compound, Indore-452001, Ph. 6889 or 7467; TLX: 0735-203.
CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Industrial soy oil.*

PRESTIGE FOODS PRIVATE LIMITED
32, 11-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
Industrial soy oil.*

VIPPY SOLVEX PRODUCTS PRIVATE LTD.
28 Industrial Area, A.B. Rd., Dewas 455-001 M.P., Ph. 581; TLX: 0732-201 (VSPIN).
CONTACT PERSON: Prakash Mutha, Mgr. Dir.
Industrial soy oil.

ISRAEL

IZHAR OIL INDUSTRY OF ISRAEL LTD.
P.O. Box 823, Tel-Aviv, Ph. 252444; TLX: 33441 (OCEAN IL).
CONTACT PERSON: M. Mitelman
Industrial soy oil.*

ITALY

INDUSTRIE CHIMICHE ITALIA CENTRALE S.p.A. I.C.I.C.
Molo Sud, Zona Industriale, ANCONA, Ph. 071/55771; TELEGRAPH: ICIC Ancona; TLX: 560035 ICIC A - 560866 ICIC B.
CONTACT PERSON: F. Cornacchioli, Ind. Oil Sales Mgr.
Industrial soy oil*

ITALIANA OLII E RISI S.p.A.
Via Romolo Gessi, 20, Ravenna, 48100, Ph. 0544-31222; TLX: 550077 IORRA I; Other plants: Porto Corsini, Ravenna; Porto Marghera, Venice; Aprilia, Latina.
CONTACT PERSON: Ing. Stefano Ghirardini, Tech. Dir.
Industrial soy oil.*

LIQUIFARM-GRUPPO INDUSTRIE ALIMENTARI S.p.A. IN AMMINISTRAZIONE STRAORDINARIA
Via L. da Vinci 19, Livorno, Ph. 34731; TLX: 500053; CABLE: GIAMIX.
CONTACT PERSON: Dr. Eugenio De Biase, Plant Mgr.
Industrial soy oil.*

S.I.O. RAVENNA S.p.A.
Via Farini N. 56, Modena, 41100, Ph. (059) 22 25 71; TLX: 51 0138 (SIO MO I); Plant in: Ravenna.
CONTACT PERSON: Giancarlo Zelocchi, Mgr.
Industrial soy oil.*

KOREA

DONGBANG OIL AND FLOUR MILLS CO., LTD.
No. 2 Yangpyong-dong 4-ka, Yungdungpo-ku, Seoul, Ph. 633-3921; TLX: K27334 KOSADB; Plant at: Jin Hae, Kyung Nam.
CONTACT PERSON: Myoungsoo Shin, Pres.
Industrial soy oil.*

MEXICO

**FABRICA DE JABON
LA CORONA S.A. DE C.V.**
Apartado Postal 890, Zona Industrial No. 2, Ciudad Obregon, Sonora, Ph. 3-46-90; TLX: 552-839.
CONTACT PERSON: J.L. Lambarri, Local Mgr.
Industrial soy oil.*

NORWAY

A/S DE-NO-FA OG LILLEBORG FABRIKER
Sandakerveien 56, Oslo, Ph. 22-00-50; TLX: 11-181; Plant at: Fredrikstad.
CONTACT PERSON: John Tveito, Dir.
Industrial soy oil.*

PHILIPPINES

UNIVERSAL ROBINA CORPORATION
E. Rodrigues Ave., Bangong Ilog, Pasig, Metro Manila, Ph. 693-2180; TLX: 3828 (CFCURC PN).
CONTACT PERSON: Henry L. Go, Sr. VP
Industrial soy oil.*

VENEZUELA

**EXTRACTORA NACIONAL
DE OLEAGINOSAS S.A. (ENDOSA)**
Protinal CA, P.O. Box 83, Valencia, Ph. 34 20 11; Plant at: El Morro, Valencia.
CONTACT PERSON: Ing. Omar Hernandez
Industrial soy oil.*

PAINTS & VARNISHES

UNITED STATES

DE SOTO INC.
Chemical Coatings Div., 701 Shiloh Rd., P.O. Box 401268, Garland, TX 75040, Ph. 214-276-5181.
Consumer and industrial enamel finishes.

E.I. DU PONT DE NEMOURS & CO. INC.
Wilmington, DE 19898, Ph. 302-774-2421.
Alkyd resin varnishes.

**GLIDDEN COATINGS AND RESINS
DIV. SCM CORP.**
900 Union Commerce Bldg., Cleveland, OH 44115, Ph. 216-344-8000.
Paints, varnishes and lacquers.

PPG INDUSTRIES INC.
One Gateway Center, Pittsburgh, PA 15222, Ph. 412-434-3131; TLX: 86-6570.
Paints, varnishes and lacquers.

SHERWIN-WILLIAMS CO.
Cleveland, OH 44115, Ph. 216-566-2000.
Paints, varnishes, enamels, paint chemicals, pigments and dry colors.

**SPENCER KELLOGG DIV.
TEXTRON INC.**
Buffalo, NY 14240, Ph. 716-852-5850.
CONTACT PERSON: Richard E. Punnett, Dir. Commodity Prod.
Complete line of refined soy oils for use in alkyd resins, etc., Drisoy drying soy oil, modified soy oils for protective coatings.

FEDERAL REPUBLIC OF GERMANY

**OELWERKE NOURY
& VAN DER LANDE GmbH**
IndustriestraBe 10, 4240 Emmerich/Rhein, Ph. 02822-741.
CONTACT PERSON: L. Tjerkstra, Dir.
Paints and varnishes.*

INDIA

**MALWA VANASPATI
& CHEMICAL COMPANY LIMITED**
1, Mohatta Nagar, Indore-452 003, M.P., Ph. 6353, 6354, 6355; TLX: 0735 228 MVCC IN (MVCC).
CONTACT PERSON: B.S. Mohatta, Chrmn.
Paints and varnishes.*

MEXICO

ACEITES POLIMERIZADOS S.A.
Calzada Inguaran, P.O. Box 14779, Mexico 14, D.F., Ph. 577-39-23.
CONTACT PERSON: Dr. Alejandro Terrones, Mktg. Mgr.
Refined, polimerized (thermal, oxidative), epoxidized (apolflex 70), resins for paint and varnishes and fatty acids (including linoleic acid), polyamide resins.*.

PHILIPPINES

UNIVERSAL ROBINA CORP.
E. Rodriguez Ave., Bagong Ilog, Pasig, M. Manila, Ph. 682-5402.
CONTACT PERSON: Henry L. Go, Sr. VP
Paints, varnishes.*

RESINS

UNITED STATES

CELANESE PLASTICS & SPECIALTIES CO.
Resin Div., P.O. Box 8248, Louisville, KY 40208, Ph. 502-585-8011.
Synthetic resins such as alkyds, epoxies, curing agents, UFS, etc., furnished for the paint and plastics markets.

**DURKEE FOODS DIV.
SCM CORPORATION**
900 Union Commerce Bldg., Cleveland, OH 44115, Ph. 216-344-8000.
CONTACT PERSON: Leonard S. Milazzo, VP Mfg./Eng.
Resins.

HENKEL CORPORATION
4620 W. 77th, Minneapolis, MN 55435, Ph. 612-830-7808; TLX: 29-0472.
CONTACT PERSON: Walter Whitehill, Dir. of Mktg., Fine Chem.

REICHHOLD CHEMICALS INC.
White Plains, NY 10603, Ph. 914-682-5700; TWX: 710-568-1373.
Alkyd resins.

JAPAN

HOHNEN OIL CO. LTD.
Mitsui Life Insurance Bldg., 1-2-3, Ohtemachi, Chiyoda-ku, Tokyo, Ph. 211-6511.
Synthetic resin adhesives.

MEXICO

ACEITES POLIMERIZADOS S.A.
Calzada Inguaran, P.O. Box 14779, Mexico 14, D.F., Ph. 577-39-23.
CONTACT PERSON: Dr. Alejandro Terrones, Mktg. Mgr.
Polyamide resins.*

PHILIPPINES

UNIVERSAL ROBINA CORP.
E. Rodriguez Ave., Bagong liog, Pasig, M. Manila, Ph. 682-5402.
CONTACT PERSON: Henry L. Go, Sr. VP
Resins.*

SOAPS

UNITED STATES

PROCTER & GAMBLE CO.
P.O. Box 599, Cincinnati, OH 45201.
Soaps.

BRAZIL

COMPANHIA MOGIANA DE OLEOS VEGETAIS
Av. Sete No. 2300, Orlandia, Sao Paulo, Ph. (016) 726-3666 (PABX 15 tronco); TLX: 0166445 (CMOV).
CONTACT PERSON: Silvio Ferraz Pires, Dir.
Soaps.*

INDUSTRIA RESEGUE DE OLEOS VEGETAIS S.A.
Rua Senador Feijo, 161-11th Floor, Sao Paulo, 01006, Ph. 011 34-8166/34-3113/34-5717/34-0997; TLX: 011 24762 (IROV BR); Other plant: Bariri, Sao Paulo.
CONTACT PERSON: Paulo Eduardo Rodrigues da Silva
Soaps.*

INDUSTRIAS J.B. DUARTE S/A
Rua dos Patriotas, 1382, Sao Paulo, 04207, Ph. (011) 274.8211; TLX: 01121226 (IJBDBR); Other locations: Santo Anastacio, Sao Paulo.
CONTACT PERSON: Archimedes Jorge Cortellazzi, Dir.
Soaps.*

REFINADORA DE OLEOS BRASIL S/A
Av. Paulista, 2073 - Conj. Horsa II, 2nd Flr., Sao Paulo, S.P., 01311, Ph. (011) 287-3122; TLX: (011) 32042 (NEVA BR) & (011) 23827 (ROBR BR); Other locations: Sao Caetano do Sul, S.P.; Araucaria, P.R.
CONTACT PERSON: C.A. Walter or Jacques L. Rochat
Soap.*

S.A. MOINHOS RIO GRANDENSES (SAMRIG)
Rua de Conceicao, 195, Porto Alegre, RGS, Ph. 24-1033; TLX: 028778 (SAMRIG PAE).
GLISAM glycerin and soapstock.

CANADA

CANADA PACKERS INC. CHEMICAL DIV.
5100 Timberlea Blvd., Mississauga, Ontario L4W 2S5, Ph. 416-624-7000.
Soaps.*

COLOMBIA

LA AMERICANA GRASAS Y ACEITES COMESTIBLES S.A.
Carrera 1B, No. 47-12, Cali, Ph. 441021; TLX: 055-706.
CONTACT PERSON: Ivan Palacio Lujan
Soaps.*

FEDERAL REPUBLIC OF GERMANY

OELWERKE NOURY & VAN DER LANDE GmbH
IndustriestraBe 10, 4240 Emmerich/Rhein, Ph. 02822-741.
CONTACT PERSON: L. Tjerkstra, Dir.
Soaps.*

INDIA

FOODS FATS & FERTILISERS LIMITED
Post Box No. 15, Tanuku Road, Tadepalligudem 534 101, Andhra Pradesh, Ph. (8816) 2571.
CONTACT PERSON: Sushil Goenka, Prod. Dir.
Soaps.*

MALWA VANASPATI & CHEMICAL COMPANY LIMITED
1, Mohatta Nagar, Indore-452 003, M.P., Ph. 6353, 6354, 6355; TLX: 0735 228 MVCC IN (MVCC).
CONTACT PERSON: B.S. Mohatta, Chrmn.
Soaps.*

MANGLIAGAON (M.P.) GENERAL FOODS PRIVATE LTD.
150, Jaora Compound, Indore-452001, Ph. 6889 or 7467; TLX: 0735-203.
CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Soaps.*

PRABHAT SOLVENT EXTRACTION INDUSTRIES PRIVATE LIMITED
1st Flr., Sterling Apartments, Jawahar Road, Post Box No. 76, Rajkot, Gujarat, 360 001, Ph. 32951, Std. Code 0281; TLX: 0169 234 and 0169 286 (SWAD IN) and (PSEI IN); Other locations: Manavadar, Gujarat; Rajkot (Madhapar), Gujarat.
CONTACT PERSON: Navin D. Vadalia, Mgr.
Soap.*

IRAN

PARS VEGETABLE OIL CO.
483 Ave. Hafez, P.O. Box 1982, Tehran, Ph. 3122039.
Bath and laundry soaps.

ISRAEL

ETZ HAZAITH LTD.
P.O. Box 193, Petah-Tikva, Ph. 927171; TLX: 341859.
Soaps.*

IZHAR OIL INDUSTRY OF ISRAEL LTD.
P.O. Box 823, Tel-Aviv, Ph. 252444; TLX: 33441 (OCEAN IL).
CONTACT PERSON: M. Mitelman
Soaps.*

SHEMEN INDUSTRIES LTD.
P.O. Box 136, Haifa 31000, Ph. 04-670491, TLX: 46776 (KFood IL).
CONTACT PERSON: Z. Neumann, Mktg. Dir.
Soaps.*

MEXICO

ACEITES & DERIVADOS DEL PACIFICO, S.A. DE C.V.
Raul Garcia y Cia S.A., KM 2125, Apdo. 213, Hermosillo, Sonora, Ph. 422-15; TLX: 058-854; Office: Monterrey N.L.
CONTACT PERSON: Jose L. Aguilar, Pres.
Soaps.*

FABRICA DE JABON LA CORONA S.A. DE C.V.
Apartado Postal 890, Zona Industrial No. 2, Ciudad Obregon, Sonora, Ph. 3-46-90; TLX: 552-839.
CONTACT PERSON: J.L. Lambarri, Local Mgr.
Soaps.*

GRASAS VEGETALES, S.A.
Limon 1139, Col. del Fresno, Guadalajara, Jal., 44900, Ph. (36) 12-1980; TLX: 068-1708 GVSAME.
CONTACT PERSON: Adela Aguilar Miranda, Chem. Engr.
Soaps.*

INDUSTRIAL JABONERA LA ESPERANZA, S.A.
Valores Modernos SA, Fte. a la Estacion de los FFCC, Gomez Palacio, Durango, Ph. 4-1044; TLX: 032-877.
CONTACT PERSON: Aureliano Alatorre M., Gen. Mgr.
Soaps.*

MOROCCO

SOCIETE D'EXPLOITATION DES PRODUITS OLEAGINEUX (SEPO)
2 Rue du Caporal Corbi a Calablancee (R.N.) B.P. 3094, Ph. 24-10-96 or 24-63-36; TLX: 25-076.
Soaps.

UNIGRAL CRISTAL
10-14 Rue Mostapha El Maani, B.P. 253 Casablanca, Ph. 311176; TLX: 21063.
CONTACT PERSON: Hamdouch Mohamed, Gen. Mgr.
Soaps.*

THAILAND

INDUSTRIAL ENTERPRISES CO. LTD.
179 Surawongse Rd., Bangkok, Ph. 2354855-9; Plant at: Pak Kret, Nonthaburi.
CONTACT PERSON: Prasopporn Patayakul, Head of Section
Soaps.*

SOY STEROLS & TOCOPHEROLS

UNITED STATES

DISTILLATION PRODUCTS INDUSTRIES
P.O. Box 511, Kingsport, TN 37662, Ph. 615-247-0411, ext. 4664; TLX: 553450.
CONTACT PERSON: T.R. Fields
Purchase and process vegetable oil distillate at Rochester, NY, plant to produce natural source vitamin E, alpha and mixed tocopherols and concentrated vegetable sterols.

DURKEE FOODS DIV. SCM CORPORATION
900 Union Commerce Bldg., Cleveland, OH 44115, Ph. 216-344-8000.
CONTACT PERSON: Leonard S. Milazzo, VP Mfg./Eng.
Soy sterols and tocopherols.

HENKEL CORPORATION
4620 W. 77th, Minneapolis, MN 55435, Ph. 612-830-7808; TLX: 29-0472.
CONTACT PERSON: Walter Whitehill, Dir. of Mktg., Fine Chem.
Process soy oil deodorizer distillate at Kankakee, IL plant to produce soya sterols, tocopherols and natural vitamin E.

BRAZIL

COMPANHIA MOGIANA DE OLEOS VEGETAIS
Av. Sete No. 2300, Orlandia, Sao Paulo, Ph. (016) 726-3666 (PABX 15 tronco); TLX: 0166445 (CMOV).
CONTACT PERSON: Silvio Ferraz Pires, Dir.
Soy sterols and tocopherols.*

INDUSTRIAS J.B. DUARTE S/A
Rua dos Patriotas, 1382, Sao Paulo, 04207, Ph. (011) 274.8211; TLX: 01121226 (IJBDBR); Other locations: Santo Anastacio, Sao Paulo.
CONTACT PERSON: Archimedes Jorge Cortellazzi, Dir.
Soy sterols and tocopherols.*

INDIA

PRESTIGE FOODS PRIVATE LIMITED
32, 11-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
Soy sterols and tocopherols.*

ITALY

INDUSTRIE CHIMICHE
ITALIA CENTRALE S.p.A. I.C.I.C.
Molo Sud, Zona Industriale, ANCONA, Ph. 071/55771; TELEGRAPH: ICIC Ancona; TLX: 560035 ICIC A - 560866 ICIC B.
CONTACT PERSON: F. Cornacchioli, Ind. Oil Sales Mgr.
Soy sterols and tocopherols.*

ITALIANA OLII E RISI S.p.A.
Via Romolo Gessi, 20, Ravenna, 48100, Ph. 0544-31222; TLX: 550077 IORRA I; Other plants: Porto Corsini, Ravenna; Porto Marghera, Venice; Aprilia, Latina.
CONTACT PERSON: Ing. Stefano Ghirardini, Tech. Dir.
Soy sterols and tocopherols.*

S.I.O. MODENA S.p.A.
Via Farini, N. 56, Modena, 41100, Ph. (059) 22 2571; TLX: 510 138 (SIO MO I).
CONTACT PERSON: Giancarlo Zelocchi, Mgr.
Soy sterols and tocopherols.*

NETHERLANDS

CARGILL B.V.
Affiliate of Cargill Inc., Minneapolis, MN, USA; Coenhavenweg 2, Box 8074, 1005 AB Amsterdam, Ph. 803-803; TLX: 14081.
CONTACT PERSON: Eef Paalvast, Merch. Mgr.
Soy sterols and tocopherols.*

SOYBEAN FATTY ACIDS

UNITED STATES

DURKEE FOODS DIV.
SCM CORPORATION
900 Union Commerce Bldg., Cleveland, OH 41115, Ph. 216-344-8000.
CONTACT PERSON: Leonard S. Milazzo, VP Mfg./Eng.
Soybean fatty acids.

EMERY INDUSTRIES INC.
Carew Tower, Cincinnati, OH 45202, Ph. 513-762-6200; TWX: 810-461-2412.
EMERY 610 soya fatty acid. EMERSOL 315 linoleic acid by the EMERSOL process for separation of liquid and solid components of soya fatty acids by selective solvent crystallization.

A. GROSS & CO.
MILL-MASTER ONYX GROUP
KEWANEE INDUSTRIES INC.
P.O. Box 818, Newark, NJ 07101, Ph. 201-344-0900.
CONTACT PERSON: Edward M. Traub, Jr., Gen. Mgr. Sales

HENKEL CORPORATION
4620 W. 77th, Minneapolis, MN 55435, Ph. 612-830-7808; TLX: 29-0472.
CONTACT PERSON: Walter Whitehill, Dir. of Mktg., Fine Chem.

INDUSTRIAL PRODUCTS GROUP
STOKELY-VAN CAMP INC.
Chemical Div., 525 W. 1st. Ave., P.O. Box 569, Columbus, OH 43215, Ph. 614-299-3131; TLX: 245494.
CONTACT PERSON: M.J. Hein, VP
CAPITAL 172 distilled and CAPITAL 182 doubledistilled soy fatty acids.

C.F. SIMONIN'S SONS INC.
Belgrade and Tioga St., Philadelphia, PA 19134, Ph. 215-426-2300.
CONTACT PERSON: W.J. Lewis, Exec. VP
Soybean fatty acids.

ARGENTINA

MOLINOS RIO DE LA PLATA S.A.
Division Oleaginosos, Paseo Colon 746, Buenos Aires, 1323, TLX: 22270 (MRPSA AR); Other locations: Avellaneda, Provincia de Buenos Aires; Barranqueras, Chaco.
CONTACT PERSON: Dr. Nolly Sirkis, Div. Mgr.
Soybean fatty acids.*

BELGIUM

VANDEMOORTELE N.V.
Prins Albertlaan 12, Izegem 8700, Ph. 051/30.22.22 or 051/30.38.38; TLX: 81 622 (VAMO B).
CONTACT PERSON: T. Claerhout, Ind. Sales Dir.
Soybean fatty acids.*

BRAZIL

GRANOL IND. COM. EXP. S/A
Av. Indianopolis, 3303, Sao Paulo, 04063, Ph. (011) 2758254, 2752358, 2767733; TLX: 21275 (GCIL); TWX: 25090 (GCIL); Other locations: Junqueiropolis, S.P.; Tupa, S.P.; Lucelia, S.P.; Oswaldo Cruz, S.P.; Adamantina, S.P.; Pacaembu, S.P.
CONTACT PERSON: Juan Diego Ferres Diego, Industrial Dir.
Soybean fatty acids.*

INDUSTRIA RESEGUE
DE OLEOS VEGETAIS S.A.
Rua Senador Feijo, 161-11th Floor, Sao Paulo, 01006, Ph. 011 34-8166/34-3113/34-5717/34-0997; TLX: 011 24762 (IROV BR); Other plant: Bariri, Sao Paulo.
CONTACT PERSON: Paulo Eduardo Rodrigues da Silva
Soybean fatty acids.*

CANADA

CANADA PACKERS INC.
CHEMICAL DIV.
5100 Timberlea Blvd., Mississauga, Ontario L4W 2S5, Ph. 416-624-7000.
Soybean fatty acids.*

MAPLE LEAF MONARCH CO.
365 Evans Ave., Toronto, Ontario M8Z 5W7, Ph. 416-252-5551; TLX: 06-984560; Plant at: Windsor, Ontario.
CONTACT PERSON: Be Nijhuis, Indus. Oil Mgr.
Soybean fatty acids.*

DENMARK

DANSK SOJAKAGEFABRIK A/S
Islands Brygge 24, 2300 Copenhagen S., Ph. 1546600; TLX: 31313.
CONTACT PERSON: Steen Kjeldsen, Mgr.
Soybean fatty acids.*

FEDERAL REPUBLIC OF GERMANY

OELWERKE NOURY & VAN DER LANDE GmbH
IndustriestraBe 10, 4240 Emmerich/Rhein, Ph. 02822-741.
CONTACT PERSON: L. Tjerkstra, Dir.
Soybean fatty acids.*

FINLAND

OY KASVIOLJY
21200 Raisio, Ph. Turku 921-780-311; TLX: 62140 (RAUL SF).
CONTACT PERSON: Heikki Siintola, Mgr., Foreign Dept.
Distilled fatty acids.*

INDIA

FOODS FATS & FERTILISERS LIMITED
Post Box No. 15, Tanuku Road, Tadepalligudem 534 101, Andhra Pradesh, Ph. (8816) 2571.
CONTACT PERSON: Sushil Goenka, Prod. Dir.
Soybean fatty acids.*

ISRAEL

IZHAR OIL INDUSTRY OF ISRAEL LTD.
P.O. Box 823, Tel-Aviv, Ph. 252444; TLX: 33441 (OCEAN IL).
CONTACT PERSON: M. Mitelman
Soybean fatty acids.*

SHEMEN INDUSTRIES LTD.
P.O. Box 136, Haifa 31000, Ph. 04-670491, TLX: 46776 (KFood IL).
CONTACT PERSON: Z. Neumann, Mktg. Dir.
Soybean fatty acids.*

ITALY

INDUSTRIE CHIMICHE ITALIA CENTRALE S.p.A. I.C.I.C.
Molo Sud, Zona Industriale, ANCONA, Ph. 071/55771; TELEGRAPH: ICIC Ancona; TLX: 560035 ICIC A - 560866 ICIC B.
CONTACT PERSON: F. Cornacchioli, Ind. Oil Sales Mgr.
Soybean fatty acids.*

ITALIANA OLII E RISI S.p.A.
Via Romolo Gessi, 20, Ravenna, 48100, Ph. 0544-31222; TLX: 550077 IORRA I; Other plants: Porto Corsini, Ravenna; Porto Marghera, Venice; Aprilia, Latina.
CONTACT PERSON: Ing. Stefano Ghirardini, Tech. Dir.
Soybean fatty acids.*

S.I.O. MODENA S.p.A.
Via Farini, N. 56, Modena, 41100, Ph. (059) 22 2571; TLX: 510 138 (SIO MO I).
CONTACT PERSON: Giancarlo Zelocchi, Mgr. Dir.
Soybean fatty acids.*

JAPAN

THE NISSHIN OIL MILLS, LTD.
23-1, 1-Chome, Shinkawa, Chuo-ku, Tokyo, Ph. 03-555-6923.
CONTACT PERSON: T. Okumori, Plant Mgr.
Fatty acids.*

KOREA

DONGBANG OIL AND FLOUR MILLS CO., LTD.
No. 2 Yangpyong-dong 4-ka, Yungdungpo-ku, Seoul, Ph. 633-3921; TLX: K27334 KOSADB; Plant at: Jin Jae, Kyung Nam.
CONTACT PERSON: Myoungsoo Shin, Pres.
Soybean fatty acids.*

MEXICO

ACEITES & DERIVADOS DEL PACIFICO, S.A. DE C.V.
Raul Garcia y Cia S.A., KM 2125, Apdo. 213, Hermosillo, Sonora, Ph. 422-15; TLX: 058-854; Office: Monterrey, N.L.
CONTACT PERSON: Jose L. Aguilar, Pres.
Soybean fatty acids.*

ACEITES POLIMERIZADOS S.A.
Inguaran No. 5719, Mexico 14, D.F., Ph. 577-39-23.
CONTACT PERSON: Dr. Alejandro Terrones, Mktg. Mgr.
Soy fatty acid distillates.*

GALLETERA MEXICANA S.A. (GAMESA)
Ciudad Obregon, Sonora.
CONTACT PERSON: Ing. Jose Arturo Zablah Kuri, Plng. Dir.
Soybean fatty acids.*

GRASAS VEGETALES, S.A.
Limon 1139, Col. del Fresno, Guadalajara, Jal., 44900, Ph. (36) 12-1980; TLX: 068-1708 GVSAME.
CONTACT PERSON: Adela Aguilar Miranda, Chem. Engr.
Soybean fatty acids.*

NETHERLANDS

CARGILL B.V.
Affiliate of Cargill Inc., Minneapolis, MN, USA; Coenhavenweg 2, Box 8074, 1005 AB Amsterdam, Ph. 803-803; TLX: 14081.
CONTACT PERSON: Eef Paalvast, Merch. Mgr.
Soybean fatty acids.*

exporters

*Updated listing of non-U.S. firm.

A/S DE-NO-FA OG LILLEBORG FABRIKER
Sandakerveien 56, Oslo, Norway, Ph. 22-00-50; TLX: 11-181; Plant at: Fredrikstad.
CONTACT PERSON: Morten Hanevold
Crude degummed, refined and hardened soybean oil.*

AG-WORLD EXPORTS
1009 W. Washington St., P.O. Box 3337, Bloomington, IL 61701, Ph. 309-827-3484; TWX: 510-352-2171 (AG WORLD).
Agricultural equipment, food products, live swine, dairy and beef cattle, goats, sheep, horses, and other types of live animals.

AGRICULTURAL EXPORTS INC.
Hudson, IA 50643, Ph. 319-988-4593; TLX: 465631; CABLE: AGRIPORT.
CONTACT PERSON: Jeanne M. Strayer, VP
Soybeans for seed or food purposes, bulk or bagged, vegetable and field varieties, split dehulled soybeans for food purposes.

AMERICAN LECITHIN CO.
32-34 61st St., Woodside, Long Island, NY 11377, Ph. 212-274-4350; TLX: 54-2238.
CONTACT PERSON: M. Gillio, Exec. VP
Soybean lecithin and derivatives, lecithinated flours.

ANDERSON, CLAYTON & CO.
P.O. Box 2538, Houston, TX 77001, Ph. 713-651-0641.
Degummed soy oil, soybean meal, salad oil, salad dressing, cooking oil, shortening and margarine.

ARCHER DANIELS MIDLAND CO.
P.O. Box 1470, Decatur, IL 62525, Ph. 217-424-5453; Offices at: Galesburg and Granite City, IL; Fredonia, KS; Mankato, MN; Lincoln, NE.
CONTACT PERSON: Tim Malm
Soybean pellets, degummed, once refined and fully refined soybean meal, oil, flour, flakes, grits, lecithin, salad oil, cooking oil, shortening oil, margarine oil, meat analogs, sausage binders and textured soy proteins.

BALFOUR-MACLAINE INTERNATIONAL LTD.
Wall St. Plaza, New York, NY 10005, Ph. 212-425-2100; TLX: 126985; INT'L. TLX: RCA 232072.
Crude, degummed, once refined, fully refined soybean oil, cottonseed oil, tallow, lard, sunflower seed and sunflower oil.

BARZEN INTERNATIONAL INC.
Stacy, MN [illegible]79, Ph. 612-462-4345; TLX: 29-0611.
CONTACT PERSON: Chris Back
Exporter of seed soybeans, seed grains, other oilseeds, legumes and grasses, all varieties.

BEAR SPECIALTY GRAINS, INC.
305 S. Linden St., Normal, IL 61761, Ph. 309-454-2461.
CONTACT PERSON: John Haines, Pres.
Food variety beans.

BIANCHINI S/A IND.
COM. E AGRICULTURA
Rua dos Andradas No. 1121-10th Flr., Porto Alegre, R.S., Brazil, 90.000, Ph. (0512)21.8777; TLX: (051) 1848 or 1849; Other locations: Rio Grande, R.S.; Canoas, R.S.
CONTACT PERSON: Arlindo Bianchini, Dir.
Toasted soybean meal, crude degummed soybean oil and soybean pellets in bulk.*

BOONE VALLEY CO-OP
PROCESSING ASSN.
Eagle Grove, IA 50533, Ph. 515-448-4711.
CONTACT PERSON: Leonard Miller, Mgr.
Soybean meal and soybean oil.

BRITISH SOYA PRODUCTS LTD.
Puckeridge, NR Ware, Hertfordshire, Ph. (Ware) 821291; TLX: 81352.
CONTACT PERSON: J.H. Baker, Dir.
TRUSOY heat treated full-fat soy flour and BREDSOY, an enzyme active full-fat soy flour.*

BUNGE CORP.
One Chase Manhattan Plaza, New York, NY 10005; Ph. 212-943-6600; Offices at: Oscela and Pine Bluff, AR; Albany, Chicago, Cairo and Shawneetown, IL; Hutchinson, KS; Destrehan, LA; Duluth and Minneapolis, MN; Greenville, MS; Portland, OR; and Fort Worth, TX.
Soybeans, meal and crude, degummed, once refined and fully refined soy oil.

BUNGE EDIBLE OIL CORP.
P.O. Box 765, Kankakee, IL 60901, Ph. 815-933-0600; Other locations: Chattanooga, TN, and Fort Worth, TX.
CONTACT PERSON: Jack Brady, VP
Salad oil, cooking oil, shortening and margarine.

CADUR TRADING CORP.
1037 N.W. 21st Terrace, Miami, FL 33127, Ph. 305-635-0000; TLX: 518952.
CONTACT PERSON: Luis A. Teijeiro, Export Dept. Mgr.
Fully refined soy oil and shortening.

CARGILL AGRICOLA S.A.
Rua Olavo Bilac 157, Sao Paulo, 04671, Brazil, Ph. (011) 548.8122; TLX: 011 21268; Other locations: Ponta Grossa, Parana; Mairingue, Sao Paulo; Monte Alto, Sao Paulo.
CONTACT PERSON: Sergio Alair Barroso, Comm. Mgr., or Jose Roberto G. Ferreira, Adm. Dir.
Soybean oil and meal.*

CARGILL B.V.
Affiliate of Cargill Inc., Minneapolis, MN, USA; Coenhavenweg 2, Box 8074, 1005 AB Amsterdam, Ph. 803-803; TLX: 14081.
CONTACT PERSON: Eef Paalvast, Merch. Mgr.
Soybean meal, crude degummed and refined soybean oil, soyfood products, soy sterols and tocopherols, and soybean fatty acids.*

CARGILL INC.
P.O. Box 9300, Minneapolis, MN 55440, Ph. 612-475-7575; Other locations: Osceola, FL; Chicago, IL; Memphis, TN; Chesapeake, VA.
Handles crude and degummed soybean oil and meal; once refined soybean oil and meal; soy flour for export.

CENTRAL SOYA
1300 Fort Wayne National Bank Bldg., P.O. Box 1400, Fort Wayne, IN 46801-1400, Ph. 219-425-5100; TLX: 27-61-70, CENSOYA FWA A.
CONTACT PERSON: Jerry R. James, VP Grains
Once refined and fully refined vegetable oil, soybean meal, flour, flakes and grits, lecithin, salad oil, cooking oil, margarine oil, shortening, sausage binders, soy protein concentrates, textured soy flours, textured soy concentrates, soybeans, corn, livestock and poultry feeds.

A.E. CHEW & CO. INC.
One World Trade Center, Suite 1907, New York, NY 10048, Ph. 212-432-0590; TLX: 232715; TWX: 710-581-2333.
CONTACT PERSON: Ralph Chew, Pres.
Fully refined soy oil bulk, drums and packaged, breakfast foods, cookies, crackers, salad oil, mayonnaise, cooking oil, seasonings, soy sauce, soybean meal and partially refined oil.

CIA. BRASILEIRA DE OLEOS
E DERIVADOS (COBRASOL)
Alameda Santos, 1357-5º, Sao Paulo, S.P., Brazil, 01419, Ph. 011-283-4222; TLX: 1131140 (CBOD BR); Other locations: Sao Luis Gonzaga, R.S.; Porto Alegre, R.S.; Santo Angelo, R.S.
CONTACT PERSON: Edmond Sidi, Comm. Mgr.
Soybeans, soybean oil, meal and HIPRO meal.*

CIGRA, INCORPORATED
233 S. Wacker Drive, Suite 7616, Sears Tower, Chicago, IL 60606, Ph. 312-993-9811; TWX: 910-221-2586 (CIGRA CGO); Other location: Portland, Oregon.
CONTACT PERSON: K. Nagasaka, VP
Soybeans.

CLEARY TRADING CORP.
1049 Somerset St., Somerset, NJ 08873, Ph. 201-247-8000.
CONTACT PERSON: Margaret A. Cleary
Lecithin.

COMPANHIA MOGIANA
DE OLEOS VEGETAIS
Av. Sete No. 2300, Orlandia, Sao Paulo, Brazil, Ph. (016) 726-3666 (PABX 15 tronco); TLX: 0166445 (CMOV).
CONTACT PERSON: Silvio Ferraz Pires
Crude, degummed and refined oil, lecithin.*

COMPANIA INDUSTRIAL Y DE ABASTECIMIENTOS, S.A.
Avda. de los Madronos No. 31, Madrid 33, Spain, TLX: 44373 (CIND E) or 22080 (DINSO E).
CONTACT PERSON: Juan Recasens, Head Merchant
44% and 48% protein soybean meal, crude degummed and fully refined soybean oil.*

CONTINENTAL GRAIN CO.
277 Park Ave., New York, NY 10017, Ph. 212-826-5100; Other locations: Guntersville, AL; Taylorville, IL; Cameron, SC.
CONTACT PERSON: Ronald Anderson, Sr. VP
Grain merchants and exporters.

DANSK SOJAKAGEFABRIK A/S
Islands Brygge 24, 2300 Copenhagen S., Denmark, Ph. 1546600; TLX: 31313.
CONTACT PERSON: J.U. Haxthausen, Mgr.
Fully refined soybean oil, industrial lecithin, soybean fatty acids.*

JAMES E. DEAN & CO.
51 Edison Rd., Rabans Lane, Aylesbury HP193TE, England, Ph. Aylesbury (0296) 34534; TLX: 837228.
CONTACT PERSON: G. Bruce
Refined soy oil.*

DEKALB COUNTY EXPORTS INC.
P.O. Box 734, Towpath Road, Ottawa, IL 61350, Ph. 815-433-3635; TWX: 910 642 3700; Other location: Tokyo, Japan.
CONTACT PERSON: Jerry Easley, Acting Mgr.
Special variety and food type soybeans.

JAMES E. DUNN
GRAIN SERVICES INC.
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Jawahar Road, Manavadar-362 630, India, Ph. 267, 268; TLX: 0164-215 (DSEI IN); Other location: Manavadar, Gujarat.
CONTACT PERSON: Shri G. G. Patel, partner
Soybean de-oiled extractions.*

DONGBANG OIL AND FLOUR MILLS CO., LTD.
No. 2 Yangpyong-dong 4-ka, Yungdungpo-ku, Seoul, Korea, Ph. 633-3921; TLX: K27334 KOSADB; Plant at: Jin Jae, Kyung Nam.
CONTACT PERSON: Jang Hong Yoo, Dir.
Exporters of soybean oil and meal.*

LOUIS DREYFUS CORP.
24 Richmond Hill Ave., Stamford, CT 06904, Ph. 203-357-8444; TLX: 996315; Offices at: Chicago, Curran and Pekin, IL; New Orleans, LA; Pascagoula, MS; Baltimore, MD; Guckeen and Minneapolis, MN; Kansas City, MO; Portland, OR; Fort Worth, TX.
CONTACT PERSON: Adrian Tew, Mgr.
Grain merchandiser and exporter of soybeans, soy oil and soy meal..

JAMES E. DUNN GRAIN SERVICES, INC.
714 West First Street, Cedar Falls, IA 50613, Ph. 319-277-7202; TLX: 465650.
CONTACT PERSON: James E. Dunn, Pres
Supplier of quality identity preserved soybeans for tofu, miso, natto and sprouts as well as commercial soybeans; shipments containerized and by barge.

DURKEE FOODS DIV. SCM CORP.
900 Union Commerce Bldg., Cleveland, OH 44115, Ph. 216-344-8000; Other locations: Lafayette, CA; Chicago, IL; New York, NY.
CONTACT PERSON: Leonard S. Milazzo, VP Mfg./Eng.
Once refined and fully refined soy oil, salad and cooking oil and shortening, liquid soy oil and emulsified shortenings.

EDIBLE SOY PRODUCTS INC.
711 Seventh St., Hudson, IA 50643, Ph. 319-988-2221.
CONTACT PERSON: Miller Rowe
Health foods and roasted soybeans.

FABRICA DE ACEITE VILLAMONTES RAFAEL DEHEZA
Ave. Camacho 1485 Edif. la Urbana, P.O. Box 1124, La Paz, Bolivia, Ph. 324957-350917; TLX: 2566.
CONTACT PERSON: Ing. Jorge Jung Peters
Soybean meal and fully refined oil.*

FARMER CITY GRAIN CO.
Sub. of Tabor Grain Co., 201 W. North St., P.O. Box 189, Farmer City, IL 61842, Ph. 309-928-2185.

CONTACT PERSON: Kenneth J. West, Mgr.
Conditioners and shippers of high quality certified seed grains, SRF and public varieties of soybean seed.

FARMERS EXPORT CO.
8400 W. 110th St., Overland Park, KS 66210, Ph. 913-642-5500; TLX: 437-156; TWX: 910-749-4049.
Grain merchandiser and exporter of soybeans.

FARMLAND INDUSTRIES
P.O. Box 200, Sergeant Bluff, IA 51504, Ph. 712-943-4282; TWX: 910-968-1757; Main Office: Kansas City, MO.
CONTACT PERSON: Bill Lester, Gen. Mgr.
Soybeans, degummed soybean oil, 44% soybean meal and 47.5% Hi Pro soybean meal.

FAROL S.A.-IND. GAUCHA DE FARELOS E OLEOS
Avenida Borges de Medeiros 659-12th Flr., Porto Alegre, RGS, Brazil, 90000, Ph. 512-33-79-88; TLX: 51-1732 STEF BR; Other plants: Estrela, RGS; Feliz, RGS; Sapucaia Do Sul, RGS; Ituiutaba, MG.
CONTACT PERSON: Stefan Wenzel, Export Dir.
Soybeans, meal 46% profat, highpro 48% protein, soy flour, soy grits, texturized soy protein, crude soy lecithin, filtered soy lecithin.*

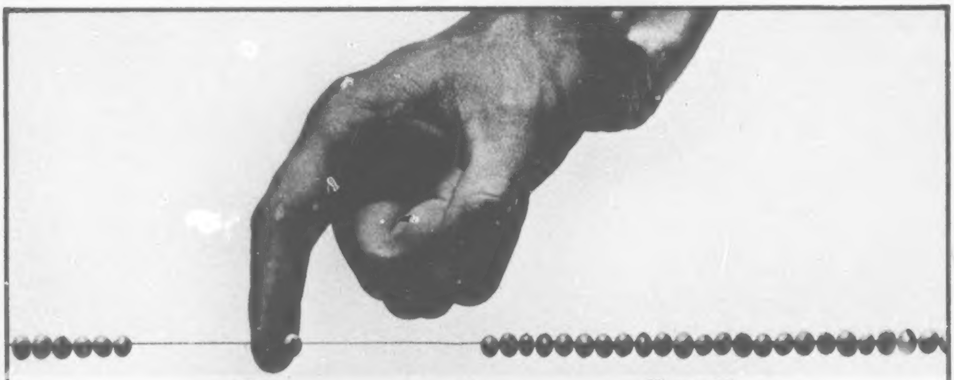
FEARN SOYA FOODS DIV. RICHARDS FOOD CORP.
4520 James Pl., Melrose Park, IL 60160, Ph. 312-345-2335.
Flour, flakes and grits, lecithin, soybeans for cooking, health foods, blended foods, breakfast foods, flour mixes, soy protein concentrates and isolates. Consumer packages only. Soya powder, soya granules, SOY-O baking mixes, protein supplements based on soy, liquid lecithin.

J.H. FILBERT INC.
3701 Southwestern Blvd., Baltimore, MD 21229, Ph. 301-644-4900; Plant at: Atlanta, GA.
CONTACT PERSON: Basil G. Howard, VP.
Margarines, mayonnaises/dressings.

FIRST SPICE MIXING CO.
33-33 Greenpoint Ave., Long Island City, NY 11101, Ph. 212-361-2556; Other locations: San Francisco, CA; Toronto, Ontario, Canada.
CONTACT PERSON: Martin U. Heiman
TEXITE extender and binder for meat products.

FOODS & FEEDS U.K. LIMITED
King George V. Dock, Shieldhall, Glasgow, Scotland, United Kingdom, Ph. (041) 455 3864/041 445 4517; TLX: 776174 (FDSFDS G).
CONTACT PERSON: B.P. Agrawalla, Mgr. Dir.
Soybean meal, crude degummed soybean oil.*

C.B. FOX CO.
1620 First National Bank of Commerce Bldg., New Orleans, LA 70112, Ph. 504-588-9211; TLX: 58216; TWX: 810-951-6215.
Exporter of grain, soybeans and soy products.



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CONTACT PERSON: Nelson Crepaldi, Dir.
Pellets, crude degummed and fully refined oil.*

GENERAL SPICE INC.
238 St. Nicholas Avenue, So. Plainfield, N.J. 07080, Ph. 201-753-9100; TWX: 710 997 9547 (SOPD); Other locations: Detroit, MI; Malden, MA.
CONTACT PERSON: Karl H. Brand, Pres.
SOTEX texturized vegetable protein & BAKOTEX imitation bacon bits.

GODREJ SOAPS LIMITED
Pirojsha Nagar, Eastern Express Highway, Vikhroli, Bombay, Maharashtra, India, 400 079, Ph. 584461-9/586861-8; TLX: 11-3480 (AVIX IN); Other locations: Miraj, Maharashtra; Ambattur, Madras.
CONTACT PERSON: N.B. Godrej, Dir.
Soy meal.*

GOLD KIST INC.
P.O. Box 2210, Atlanta, GA 30301, Ph. 404-393-5050; TLX: 54-2338 and 70-8404.
CONTACT PERSON: Donald H. Price
Soybean meal.

GRAIN PROCESSING CORP.
1600 Oregon St., Muscatine, IA 52761, Ph. 319-264-4278; TLX: 468497.
CONTACT PERSON: Ralph Wilkinson, Food Prod. Sales Mgr.
Soy protein isolates.

GRANOL IND. COM. EXP. S/A.
Av. Indianopolis, 3303, Sao Paulo, 04063, Ph. (011) 2758254, 2752358, 2767733; TLX: 21275 (GCIL); TWX: 25090 (GCIL); Other locations: Junqueiropolis, S.P.; Tupa, S.P.; Lucelia, S.P.; Oswaldo Cruz, S.P.; Adamantina, S.P.; Pacaembu, S.P.
CONTACT PERSON: Jose Gomes Cadette, Pres.
Soy meal, pellets, crude, refined and degummed soy oil, soybeans.*

GRANOLEO S.A.-COM. IND. SEMENTES OLEAGINOSAS E DERIVADOS
Av. Cavalhada No. 4.050, Porto Alegre, R.S., Brazil, Ph. (0512) 49-7368; 49-7734; 49-3757; 48-1122; TLX: (051) 1702; Other plant: Estrada de Moinhos, Estrela, R.S.
CONTACT PERSON: Wu Cheng-Tao
Soybean meal and crude degummed oil.*

GURLEY'S INC.
P.O. Box 388, Selma, NE 27576, Ph. 919-965-2303; WATS: 800-334-9631; NC WATS: 672-8131; TLX: 802532; CABLE: GURLEY.
CONTACT PERSON: R.G. Gurley, Pres.
Soybean meal, oil and soybeans for cooking.

HASSELMAN BROKERAGE CO., INC.
Subsidiary of Pan American Trade Development Corporation, 2 Park Ave., New York, NY 10016, Ph. 212-481-1620; TLX: 968672.
CONTACT PERSON: William L. Hasselman, Pres.
Exporters and domestic brokers of crude, degummed, once refined and fully refined soy oil, soybean meal and soapstocks.

HI-PRO PRODUCTS, INC.
1605 John St., Fort Lee, NJ 07024, Ph. 201-944-2650; Plant at: Lakeville, MN.
CONTACT PERSON: Jeanne Dubos, Acct. Mgr.
SOYTOWN and SOY AHOY salted, unsalted and barbecue flavored roasted soynuts. Also, roasted flavored bulk soynuts in 25- and 50-lb. capacities.

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2331 Forest Rd., Lansing, MI 48910, Ph. 517-882-3323; TLX: 229-440 (MICH AGRI LSG).
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Whole roasted soynuts; salted, unsalted, flavored, carob, yogurt and toffeed, candied soynuts. High quality identity reserved soybeans, organically grown soybeans by request.

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Rua Silva Teles, 1465-Pari, Sao Paulo, Brazil, CEP 03026, Ph. (011) 291-8844; TLX: (011) 22374 IOLP; Other plants: Cascavel, Parana; Paranavai, Parana; Paranagua, Parana; Fatima Do Sul, Mato Grosso Do Sul.
CONTACT PERSON: Kanje Adachi, Mgr.
Soybean meal and oil.*

INDUSTRIA RESEGUE DE OLEOS VEGETAIS S.A.
Rua Senador Feijo, 161-11th Floor, Sao Paulo, Brazil 01006, Ph. 011 34-8166/34-3113/34-5717/34-0997; TLX: 011 24762 (IROV BR); Other plant: Bariri, Sao Paulo.
CONTACT PERSON: Paulo Eduardo Rodrigues da Silva
Soybean oil, meal and pellets.*

INDUSTRIAL ENTERPRISES CO. LTD.
179 Surawongse Rd., Bangkok, Thailand, Ph. 2354855-9; Other location: Pak Kret, Nonthaburi.
CONTACT PERSON: Viraj Sasivongbhakdi, Asst. Mgr. Dir.
Soybean meal.*

INDUSTRIAS DE ACEITE S.A.
P.O. Box 1759, Ballivian 262, Santa Cruz, Bolivia, Ph. 47008-47700.
CONTACT PERSON: Ing. Jose A. Gonzalez, Gen. Mgr.
Soy flour and soy oil.*

INDUSTRIAS J.B. DUARTE S/A
Rua dos Patriotas, 1382, Sao Paulo, Brazil, 04207, Ph. (011) 274.8211; TLX: 01121226 (IJBDBR); Other location: Santo Anastacio, Sao Paulo.
CONTACT PERSON: Archimedes Jorge Cortellazzi, Dir.
Pellets, beans, crude degummed oil, fully refined oil.*

INTERCONTINENTAL ASSOCIATES INC.
P.O. Box 396, Essex, CT 06426, Ph. 203-767-0224; TLX: 955329; CABLE: INTER-CONT.
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INTERFOOD DEUTSCHLAND GmbH
Div. Interfood Luxemburg SAH, 6380 Bad Homburg, Goldgrubenstr. 6A, Fed. Rep. of Germany, Ph. 06172/22049; TLX: 0415840.
CONTACT PERSON: Hans D. Kneer, Mgr. Dir.
PROTIBLEND-20, protein enriched food preparation containing soy protein and soy oil for application in areas of hunger and disasters.*

ITALIANA OLII E RISI S.p.A.
Via Romolo Gessi, 20, Ravenna, 48100, Italy, Ph. 0544-31222; TLX: 550077 IORRA I; Other locations: Porto Corsini, Ravenna; Porto Marghera, Venice; Aprilia, Latina.
CONTACT PERSON: Cavassa Valerio, Foreign Sales Dept.
Industrial lecithin, industrial soy flour, industrial soy oil, soy sterols and tocopherols, soybean fatty acids.*

C. ITOH & CO. (America) INC.
270 Park Ave., New York, NY 10017, Ph. 212-953-5237.

IZHAR OIL INDUSTRY OF ISRAEL LTD.
P.O. Box 823, Tel-Aviv, Israel, Ph. 252444; TLX: 33441 (OCEAN IL).
CONTACT PERSON: R. Seroussi
Soybean meal and oil.*

J.K. EXPORT INDUSTRIES
Savitabag, Vadal Road, P.O. Box No. 37, Junagadh 362 003, India, Ph. 1431, 2080, 1389, Resi 914; TLX: 0164-204 (LUCK IN).
CONTACT PERSON: M.B. Patea, Mgr.
Well-toasted yellow extracted soybean meal.*

JINDAL SOLVENT EXTRACTIONS
Kashipur-244713, India, Ph. 270 and 292.
CONTACT PERSON: Madan Mohan Jindal
Soybean extraction.*

KASPER & CIA. LTDA.
Rua dos Andradas, NR. 355-9th Flr., Porto Alegre, Rio Grande Do Sul, 90000, Brazil, Ph. (0512) 33-1588 or 33-4212; TLX: (051) 1569 KASP BR.
CONTACT PERSON: Teldo Kasper Filho, Dir.
Soybean meal, crude degummed and refined oils.*

KICKAPOO (THAILAND) CO., LTD.
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CONTACT PERSON: Samart Chiraphadhanakul, Mktg. Mgr.
Soymilk.*

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CONTACT PERSON: Armando Gabe, Gen. Mgr.
Toasted soybean meal, crude soy oil.*

LIBERTY OIL MILLS
31, Farook S. Oomerbhoy Path, Byculla, Bombay, Maharashtra, India, Ph. 39 84 11; TLX: 11 6189 (LIBO IN).
CONTACT PERSON: Hamza A. Kader, partner
Soybean extraction.*

LOU ANA FOODS INC.
P.O. Box 591, Opelousas, LA 70570, Ph. 318-948-6561; TLX: 58-6645 (LAF OPLS).
CONTACT PERSON: James W. Boswell, VP
Once refined and fully refined soy oil.

LUCAS MEYER S.R.L.
Via Venezia 34, Vigonza (PD), 35010, Italy, Ph. (049) 629011; TLX: 430145 (GIPAI).
CONTACT PERSON: Axel Skulte, Pres.
Meat analogs, lecithin, soy flour.

M.F.A. GRAIN MARKETING DIV.
400 E. Holt St., P.O. Box 39, Mexico, MO 65265; TLX: 1-910-760-1527.
CONTACT PERSON: Morris Crews, Office Mgr.
Exporters of soybean meal and crude degummed soybean oil.

M.P. OIL EXTRACTION PVT. LTD.
22/55 Industrial Area, Raipur 492001, Raipur, Madhya Pradesh, India, Ph. 25027, 26670, 23429; TLX: 0775-215/224 MPOL.
CONTACT PERSON: Shri Suresh D. Manik, Mgr. Dir.
Soybean extraction (de-oiled meal).*

MADHUSUDAN VEGETABLE PRODUCTS CO. LTD.
P.O. Rakhial Stn.-382315 Talukai-Dehgam, Ahmedabad, Gujarat, Ph. 22896, 22897, 22898; TLX: 012-482; Other locations: Rakhial; Kadi, Mehsana (Gujarat).
CONTACT PERSON: R.S. Saraogi, C.E.O.
Soybean mael and flakes.*

MALWA PROTEINS & OILS PVT. LTD.
E 5/90, Arera Colony, Bhopal (MP) 462016, India, Ph. 64891; TLX: 0705-276 (705-MPOL IN).
CONTACT PERSON: Deepak Suryavanshi, Mgr.
Soybean extraction (de-oiled cake).*

MALWA VANASPATI & CHEMICAL COMPANY LIMITED
1, Mohatta Nagar, Indore-452 003, M.P., India, Ph. 6353, 6354, 6355; TLX: 0735 228 MVCC IN (MVCC).
CONTACT PERSON: B.S. Mohatta, Chrmn.
Soy meal and de-oiled cake.*

MANGLIAGAON (M.P.) GENERAL FOODS PRIVATE LTD.
150, Jaora Compound, Indore-452001, India, Ph. 6889 or 7467; TLX: 0735-203.
CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Soybean meal and soy protein concentrates.*

MAPLE LEAF MONARCH CO.
365 Evans Ave., Toronto, Ontario, Canada M8Z 5W7, Ph. 416-252-5551; TLX: 06-984560; Other location: Windsor, Ontario, Canada.
CONTACT PERSON: John D. McNamara, Mgr.
Crude, degummed, refined, deodorized, hydrogenated soybean oils, soybean meals 44%, 48% and hulls.*

MARUBENI AMERICA CORPORATION
200 Park Ave., New York, NY 10166, Ph. 212-599-3755.
CONTACT PERSON: Al loh
Exporter of grains and oilseed products.

MARWOOD CO.
54 Atwood Ave., Sausalito, CA 94965, Ph. 415-332-3113; TLX: 470 191 (JACQU).
CONTACT PERSON: Marvin Wood
Soybeans, Crude.

THE MIAMI MARGARINE CO. FOOD SERVICE DIV.
5226 Vine St., Cincinnati, OH 45217, Ph. 513-242-2310.
CONTACT PERSON: Paul R. Horton, Mgr. Food Service
Soy oil, margarine, dressings, peanut butter with soy oil added.

MICO INC.
P.O. Box 1508, Bloomington, IL 61701, Ph. 309-662-9344.
Grain and seed exporter of soybeans.

MIDWEST SOYA INTERNATIONAL INC.
614 N. 5th, Clear Lake, IA 50428, Ph. 515-357-6131.
CONTACT PERSON: Kim Pleggenkuhle
Exporters of quality, identity preserved soybeans, bulk or bagged containerized shipments, quality soybean meal, soybean seed for planting, commercial grade shipments of soybeans and corn. Export facility at Clear Lake, IA. Barge, rail and truck shipments.

MINASA
Caixa Postal 1101, Campinas, S.P., Brazil, 13.100, Ph. (0192) 42-1966; TLX: 019-1043 (MINABR); Other locations: Araraquara, S.P.; Arapongas, P.R.; Itumbiara, G.O.
CONTACT PERSON: John B. Sieh, Gen. Mgr.*

MOLINOS RIO DE LA PLATA S.A.
Division Oleaginosos, Paseo Colon 746, Buenos Aires, Argentina, 1323, TLX: 22270 (MRPSA AR); Other locations: Avellaneda, Provincia de Buenos Aires; Barranqueras, Chacos.
CONTACT PERSON: Dr. Nolly Sirkis, Div. Mgr.
Soybean pellets and soybean oil.*

NAV MAHARASHTRA CHAKAN OIL MILLS
42/43, Shankar Sheth Road, Pune-411 009, Maharashtra, India, Ph. 449449, 449890, 447306; TLX: 0145-349 (NMCIN).
CONTACT PERSON: Shri Shantilal Ratanchand Lunkad
Soybean extraction.*

NOBLEE & THOERL GmbH
DIV. OF HENKEL K GAA
Duesseldorf, Seehafenstr. 24, P.O. Box 90-10-40, 2100 Hamburg 90, Fed. Rep. of Germany, Ph. 77-16-81; TLX: 02-177-13 (NOBLE D).
CONTACT PERSON: Horst Oehl, Sales Mgr.
Crude hardened, fully refined and fully refined hardened soybean oil.*

OLEAGINOSAS ESPANOLAS, S.A.
Nunez de Balboa, 108, Madrid-6, Spain, Ph. (91) 262-96-03/261-54-02; TLX: 45302/46918 (OLEA E); Other location: Barcelona, Spain.
CONTACT PERSON: Jose Urbelz, Comm. Mgr.
Crude degummed oil, soybean meal and lecithin.*

OLIVEX LTD.
25 Rothschild Blvd., P.O. Box 1498; 61014 Tel Aviv, Israel, Ph. 614451; CABLE: EXOLIV; Other location: Petah Tiqua.
CONTACT PERSON: Dr. Wolf Cegla, Dr. Uriel G. Cegla or Ronit Silon
Soybean meal, crude degummed and fully refined oil.*

OY KASVIOLJY
21200 Raisio, Ph. Turku 921-780-311; TLX: 62140 (RAUL SF).
CONTACT PERSON: Heikki Siintola, Mgr. Foreign Dept.
Crude degummed soybean oil.*

PVO INTERNATIONAL INC.
World Trade Center, No. 130, San Francisco, CA 94111.
Processed soybeans and oil.

PACIFIC GRAIN CO.
201 W. North St., P.O. Box 189, Farmer City, IL 61842, Ph. 309-928-2185.
CONTACT PERSON: Kenneth J. West
Supplier of corn and soybeans to both domestic and export markets specializing in quality grain identity preserved.

PEAVEY CO.
730 Second Ave. S., Minneapolis, MN 55402, Ph. 612-370-7551; TLX: 290125.
CONTACT PERSON: Gordon V. Jones
Exporter of soybeans and soybean products.

THE PILLSBURY CO.
Grain Merchandising Div., Pillsbury Center, Minneapolis, MN 55402, Ph. 612-330-8054; TLX: 290668.
Exporters of soybeans, wheat and corn.

Feed Ingredient Div., Ph. 612-330-8010; TLX: Domestic - 290198, International - WUI 6879040.
CONTACT PERSON: Dick Barnes, Dir. Soymeal Trading
Exporters of soymeal, corn gluten and other ingredients and mixed feeds.

PRABHAT SOLVENT EXTRACTION INDUSTRIES PVT. LTD.
1st Flr., Sterling Apartments, Jawahar Road, Post Box No. 76, Rajkot, Gujarat, India 360 001, Ph. 32951, Std. Code 0281; TLX: 0169 234 and 0169 286 (SWAD IN) and (PSEI IN); Other locations: Manavadar, Gujarat; Rajkot, Madhapar, Gujarat.

SINCE 1893

SCHOUTEN INTERNATIONAL INC.
6750 FRANCE AVENUE SOUTH / MINNEAPOLIS, MINNESOTA 55435
Telephone: (612) 920-7700 / Cable: Schouten - Minneapolis / Telex: 290815

SHIPPERS OF GRAINS AND FEED INGREDIENTS TO WESTERN EUROPE AND OTHER WORLD MARKETS

Subsidiary of Schouten/Giessen N.V., Holland

CONTACT PERSON: Navin D. Vadalia, Mgr.
Indian toasted soybean extractions 50% and 54%.*

PREMIER EXTRACTIONS PVT. LTD.
45/47 A. Industrial Area, A.B. Rd., Dewas, Madhya Pradesh, India, Ph. 5489, 38705 or 236-854; TLX: 0735-306 (PREM-IN).
CONTACT PERSON: Sh. G. L. Agrawal, Mgr.
Soya extractions.*

PRESTIGE FOODS PVT. LTD.
32, 11-C, New Palasia, Indore-452 001, M.P., India, Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
Soy meal.*

R. T. AGENCIES
AGH Chambers, 379/81, Narshi Natha Street, Bombay, Maharashtra, India, 400 009, Ph. 341804, 324273, 325555; TLX: 011-4877 (ARTI).
CONTACT PERSON: R. N. Ruia or P. C. Tibrewala
Soybean meal.*

RALSTON PURINA CO.
Checkerboard Square, St. Louis, MO 63188, Ph. 314-982-251[illegible] TLX: 447620; Other locations: Bloomington, IL; Lafayette, IN; Iowa Falls, IA; Louisville, KY; Kansas City, MO; Raleigh, NC; Memphis, TN.
Soybean meal, oil, flour, flakes and grits, lecithin, soy protein isolates, textured soy protein, fiber textured products and structured protein isolates.

REFINADORA DE OLEOS BRASIL S/A
Av. Paulista, 2073-Conj. Horsa II, 2nd Flr., Sao Paulo, S. P., Brazil, 01311, Ph. (011) 287-3122; TLX: (011) 32042 (NEVA BR) and (011) 23827 (ROBR BR); Other locations: Sao Caetano do Sul, S. P.; Araucaria, P. R.
CONTACT PERSON: C. A. Walter or Jacques L. Rochat
Soybean meal, pellets, crude degummed and refined soybean oil.*

RICELAND FOODS
2120 Park Ave., P.O. Box 926, Stuttgart, AR 72160, Ph. 501-673-5500; Other location: Helena, AR.
Soybeans, fully refined soy oil, soybean varieties, salad oil, lecithin, cooking oil, shortening, soybean meal and pellets.

ROSS & ROWE
Div. Archer Daniels Midland Co., P.O. Box 1409, Decatur, IL 62525, Ph. 217-424-5804.
CONTACT PERSON: Lynn Adolphson, Mgr.
Lecithin.

ROTTERDAMSCHE MARGARINE INDUSTRIE ROMI B.V.
Postbus 20, 3130 AA Vlaardingen, Netherlands, Ph. (010) 340 311; TLX: 25770 ROMI NL.
CONTACT PERSON: D.M. Talmon
Margarine, shortening and cooking/salad oil.*

S.I.O MODENA S.p.A.
Via Farini, N. 56, Modena, 41100, Italy, Ph. (059) 22 2571; TLX: 510138 (SIO MO I).
CONTACT PERSON: Mario Bonfanti, Mgr. Dir.
Cooking oil.*

S.I.O. RAVENNA S.p.A.
Via Farini N. 56, Modena, 4110, Italy, Ph. (059) 22 25 71; TLX: 51 0138 (SIO MO I); Plant: Ravenna.
CONTACT PERSON: Giancarlo Zelocchi, Mgr.
Soybean meal, crude degummed oil and industrial lecithin.*

SCHOKHI INDUSTRIALS PVT. LTD.
143 Jolly-Maker Chambers Two, 14th Floor, 225 Nariman Point, Bombay 400 021, India, Ph. 231320; TLX: 0-11-3078 (UTPA IN); CABLE: UTPADAN.
CONTACT PERSON: Nitin Goel, Dir.
Exporters of soybean meal to the Far East, Middle East and European markets; soya products, soybean meal, soybean extraction, flour, proteins, toasted soya, soya chunks and soya nuggets.*

SCHOUTEN INTERNATIONAL INC.
6750 France Ave. S., Minneapolis, MN 55435, Ph. 612-920-7700; TLX: 290815.
CONTACT PERSON: James W. Nelson
Exporters of soybeans and meal, grains, and feed ingredients.

J.M. SCHULTZ SEED COMPANY
105 Pine St., Dieterich, IL 62424, Ph. 217-925-5212, TLX: 910 663 2660 (SCHULTZ DTRK); Other plants: Beardstown, IL; Paris, IL; Woodburn, IN; Ashland, OH.
CONTACT PERSON: Jack Schultz, Pres.
Soybeans for seed, sprouting and edible purposes.

SHEDD'S FOOD PRODUCTS
14401 Dexter Blvd., Detroit, MI 48238, Ph. 313-868-5810; Other locations: Sunnyvale, CA; Elgin, IL; Omaha, NE; Greenville, SC; Dallas, TX.
CONTACT PERSON: Garth Corpe, Asst. Gen. Mgr. & Sales Mgr.
Salad dressing, margarine, mayonnaise, shortenings, salad oils and cooking oils.

SHEMEN INDUSTRIES LTD.
P.O. Box 136, Haifa 31000, Israel, Ph. 04-670491; TLX: 46776 (KFood IL).
CONTACT PERSON: Z. Neumann, Mktg. Dir.
Industrial lecithin.*

SHREE KANTI OIL MILLS
Anand Building, 82/84, Kazi Syed St., Bombay-400 003, India, Ph. 32 27 97 or 33 55 21; TLX: 011-3581 (KNTI -IN); Other location: Jamnagar, Gujarat.*

SHREE MANSINGKA OIL MILLS LIMITED
258, Kalbadevi Rd., Bombay-400002, Maharashtra, India, Ph. 317791, 296313; Other location: Khandwa, Madhya Pradesh.
CONTACT PERSON: D.P. Mansingka, Jt. Mgr.
Soybean extractions of 50% and 52% protein; soybean flax having 56% protein content.*

C.F. SIMONIN'S SONS INC.
Tioga and Belgrade St., Philadelphia, PA 19134, Ph. 215-426-2300.
CONTACT PERSON: W.J. Lewis, Exec. VP
Soybean salad oils and soybean industrial oils.*

SOCIETE INDUSTRIELLE DES OLEAGINEUX: SIO
Direction Proteines, Groupe Lesieur, 122 Av. du General De Gaulle, Boulogne-Billancourt, France 92103, Ph. (1) 604 30 32; TLX: 260917 (SOLEAG).
CONTACT PERSON: Guy Deneck, Proteins Dir.
SOYOPTIM, SOYASSIM, PROTISOYA, DYNASOYA, FLOCOSOYA, SOYADIN and other SIO soy grits and soy flours.*

SOJA FRANCE S.A.
Boulevard Paul Leferme, St. Nazaire 44600, France, Ph. 22-91-07; TLX: 700-941; Plant at: Brest 29200.
CONTACT PERSON: J.L. Lapix, Mgr.
Crude degummed soybean oil.*

SOLNUTS B.V.
Swaardvenstraat 41, P.O. Box 5066, 5004 EB Tilburg, Netherlands, Ph. 0130 68-4991; TLX: 52654 (SOLNU NL).
CONTACT PERSON: H. Stolk, Export Mgr.
SOLNUTS, cleaned, split, dehulled, cooked, roasted, soybean halves or diced, flavored and coated*

SOON SOON OIL MILLS SDN BHD
Plot 94, Prai Industrial Estate, Prai, Province Wellesley, Butterworth, Penang, Malaysia, Ph. (04) 348277; TLX: MA 40774 (Silos).
CONTACT PERSON: Dr. Neoh Soon Bin, Mgr.
Crude degummed soybean oil and meal.*

SOY-COT SALES INC.
2590 E. Devon Ave., Des Plaines, IL 60018, Ph. 312-297-4160; TLX: 726319; TWX: 910-233-5992.
CONTACT PERSON: Lloyd J. Smith, Pres.
Crude and degummed soy oil, crude and bleachable cottonseed oil, 44% and 50% soybean meal, cottonseed meal.

A.E. STALEY MFG. CO.
P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411.
Soybean meal, industrial oils, fully refined and hydrogenated soybean oils, soy flour, flakes and grits, lecithin, soy whipping agents, seasonings, soy sauce, soy protein concentrates and textured vegetable protein concentrates and textured soy proteins.

STRAYER SEED FARMS INC.
Hudson, IA 50643, Ph. 319-988-3640.
CONTACT PERSON: Dennis Strayer, owner
Raw soybeans, cleaned and bagged.

SUMITOMO CORPORATION OF AMERICA
345 Park Ave., New York, NY 10154, Ph. 212-935-8847; TWX: 710-581-4453.
CONTACT PERSON: Mr. K. Yamada, Mgr. Produce & Fertilizer Dept.
Exporters of grain and oilseed products.

TABOR GRAIN CO.
P.O. Box 1470, Decatur, IL 62525, Ph. 217-424-5440; TLX: 250127.
CONTACT PERSON: Burnell Kraft
Soybeans and soybeans for cooking.

TAGOL, COMPANHIA DE OLEAGINOSAS DO TEJO SARL
Ave. Republica 44, 4 Esp. Lisboa 1, Portugal, Ph. 767521; TLX: 14187 (Tagol P).
CONTACT PERSON: Manuel Mourao, Dir.
Crude degummed soybean oil.*

TAVLIN LTD. OIL & SOAP FACTORY
Box 36, Rishon-le-Zion, Israel, Ph. 948-224.
CONTACT PERSON: L. Argov, Gen. Mgr.
Soybean meal, degummed and refined soybean oil, undecorticated cottonseed meal, semi-refined cottonseed oil.*

TOSHOKU AMERICA INC.
551 5th Ave., New York, NY 10176, Ph. 212-661-5400; TLX: 12389 (WU); Parent Company: Toshoku Ltd., Shin-Muromachi, Bldg. No. 4, Nihonbashi Muromachi, 2-Chome, Chuo-ku, Tokyo, Japan.
CONTACT PERSON: T. Kato, Soybean Mgr.
Soybean meal, oil, and soy protein. Trading for foreign countries - especially Europe, Japan and Far Eastern countries.

VED BRAT & CO.
Sub. of Reg. Soya Protein Ltd., 39-C Prem House, Connaught Place, New Delhi-1, India, Ph. 352761.
CONTACT PERSON: V. Brat, Pres.
Exporter of textured vegetable protein and protein isolates.*

VIKAS EXPORT INDUSTRIES
3, Gandhi Chambers, Gondal Rd., RAJKOT-2, Rajkot, India, Ph. 88971-88972; TLX: VEIR-281.
CONTACT PERSON: D.Y. Patel
Well-toasted yellow soybean meal.*

VIPPY SOLVEX PRODUCTS PRIVATE LTD.
28 Industrial Area, A.B. Rd., Dewas 455-001 M.P., India, Ph. 581; TLX: 0732-201 (VSPIN).
CONTACT PERSON: Prakash Mutha, Mgr. Dir.
Export soybean meal, 60%, 54%, 48% and 30% (O+A).*

WELLENS & CO. INC.
6700 France Ave. S., Minneapolis, MN 55435, Ph. 612-925-4600.
CONTACT PERSON: Brian Lund
Merchandisers and exporters of soybean meal and feed ingredients, including animal proteins, both in bags and bulk.

WOODWARD & DICKERSON INC.
Woodward House, 937 Haverford Rd., Bryn Mawr, PA 19010, Ph. 215-527-5200; TLX: 084-5244; TWX: 510-662-3381.
CONTACT PERSON: M. McCarthy, Merch.
Crude, degummed, fully refined/edible, hydrogenated lecithins, textured vegetable protein and soy flour; fatty acids; protein meals -44% and high protein 49% profat.

buyer's guide
to products & services

How to Use the 1981 Buyer's Guide

The Buyer's Guide can best be used by locating the desired product or service in the Category Listing beginning below. Once the page number is obtained, turn to the corresponding page under Products and Services beginning on page 83. A group of suppliers will be listed under the heading desired. To contact any or all of the suppliers turn to the Manufacturers & Suppliers Guide beginning on page 105. Additionally, each company can be found in the Buyer's Guide index beginning on page 184.

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- 25 tons of "mean machine"
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- AEG vibratory feeder
- Unique "overflow system" minimizes roll end grinding

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products & services

Addresses for these products follow on page 136.

COMMERCIAL EQUIPMENT & SUPPLIES

AIR CLASSIFIERS

Alpine American Corp.
Buhler-Miag, Inc.
CE Bauer
Codema, Inc.
DuMond Company, Inc.
Entoleter Division,
  Safety Railway Serv. Corp.
S. Howes Co., Inc.
MikroPul Corporation
Prater Industries, Inc.
Pulverizing Machinery,
  Div. of MikroPul Corp.
Sprout-Waldron Division
Sweco, Inc.
Triple/S Dynamics

ASPIRATORS

BLOUNT/ferrell ross
Buhler Brothers Ltd.
  (Switzerland)
Buhler-Miag, Inc.
CEA Carter-Day Co.
Cargill Agricola S.A.
  (Brazil)
Codema, Inc.
Crippen Mfg. Co. Inc.
DuMond Company, Inc.
Entoleter Division,
  Safety Railway Serv. Corp.
Forsbergs Inc.
Gustafson, Inc.
Hagan Mfg. Co.
S. Howes Co., Inc.
Huntley Mfg. Co. Inc.
Jacobson Machine
  Works, Inc.
N. Hunt Moore
  & Assoc., Inc.
Newell Machinery Co., Inc.
Sprout-Waldron Division
Triple/S Dynamics
Troika Processes Pvt. Ltd.
  (India)
D.W. Tyler Company

AUTOMATIC SAMPLERS

CEA Carter-Day Co.
Cargill Agricola S.A.
  (Brazil)
Dabney-Hoover
  Supply Co. Inc.
Gustafson, Inc.
Houston Public Grain
  Elevator
InterSystems, Inc.
Jaham Mfg. Co. Inc.
Nadustco, Inc.
Quality Control
  Equipment Co.
D.W. Tyler Company

AUTOMATION

C.A. Facegra (Venezuela)
FMC Corporation, Material Handling Systems Div.
MCC Powers
Troika Processes Pvt. Ltd. (India)

BAGGING EQUIPMENT

Cargill Agricola S.A. (Brazil)
The Chantland Company - Division of Douglas & Lomason Co.
Dabney-Hoover Supply Co. Inc.
DuMond Company, Inc.
Dave Fischbein Company
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Hagan Mfg. Co.
Howe Richardson Co.
S. Howes Co., Inc.
Langston Bag Co., Inc.
Newell Machinery Co., Inc.
Quality Control Equipment Co.
Seedburo Equip. Co.
Troika Processes Pvt. Ltd. (India)
D. W. Tyler Company

BAGS

Cargill Agricola S.A. (Brazil)
Chase Bag Co.
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Great Plains Bag Corporation
Greif Bros. Corp.
Langston Bag Co., Inc.
Pulverizing Machinery, Div. of MikroPul Corp.
Werthan Industries Inc.

BATCHING SYSTEMS

Technicon Industrial Serv.

BEARINGS

La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Browning Mfg. Div. Emerson Electric Co.
Creason Corrugating & Machinery Co. Inc.
Dabney-Hoover Supply Co. Inc.
Dodge/Reliance Electric
Divine Engineering, Inc.
Du-Val Industrial Foreign Trade Corporation
Electrical Engineering & Equipment Co.
Houston Public Grain Elevator
Mathews Co.
PT Components, Inc. Link-Belt Bearing Div.
Newell Machinery Co., Inc.
Superior Welding Company
Troika Processes Pvt. Ltd. (India)
Union Iron

BELTING

Browning Mfg. Div. Emerson Electric Co.
Dabney-Hoover Supply Co. Inc.
Dodge/Reliance Electric
Du-Val Industrial Foreign Trade Corporation
Fort Worth Steel & Machinery
Hagan Mfg. Co.
Houston Public Grain Elevator
Mathews Co.
Newell Machinery Co., Inc.
Scandura Inc.
Siegling America Inc.
Speed King Mfg. Co., Inc.
Troika Processes Pvt. Ltd. (India)
Union Iron
H.R. Williams Mill Supply Company

BELTING ACCESSORIES

Browning Mfg. Div. Emerson Electric Co.
Dabney-Hoover Supply Co. Inc.
Flexible Steel Lacing Co.
Fort Worth Steel & Machinery
Hagan Mfg. Co.
Houston Public Grain Elevator
Martin Engineering Co.
Newell Machinery Co., Inc.
Scandura Inc.
Superior Welding Company
Troika Processes Pvt. Ltd. (India)

CHAINS

La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Browning Mfg. Div. Emerson Electric Co.
Codema, Inc.
Dabney-Hoover Supply Co. Inc.
Divine Engineering, Inc.
Dodge/Reliance Electric
Du-Val Industrial Foreign Trade Corporation
Electrical Engineering & Equipment Co.
C.A. Facegra (Venezuela)
Fort Worth Steel & Machinery
Houston Public Grain Elevator
Mathews Co.
Newell Machinery Co., Inc.
Power Transmission Div.
Superior Welding Company
Troika Processes Pvt. Ltd. (India)
Union Iron

CLEANING LUBRICATING EQUIPMENT

Cargill Agricola S.A. (Brazil)
Dabney-Hoover Supply Co. Inc.
C.A. Facegra (Venezuela)
Houston Public Grain Elevator
Wheelabrator-Frye Inc.

COLOR MEASURING INSTRUMENTS

La Americana

Grasas Y Aceites
Comestibles, S.A.
(Colombia)
COROIL, C.A. (Venezuela)
Pacific Scientific Company
Gardner/Neotec
Instrument Div.
Technicon Industrial
Systems
The Tintometer Ltd.
(England)

CONTROL INSTRUMENTS, SYSTEMS

Alfa-Laval AB (Sweden)
Bindicator Company
Browning Mfg. Div.
Emerson Electric Co.
Cargill Agricola S.A.
(Brazil)
Control Assemblies Co.
ERDCO Engineering Corp.
The Foxboro Company
Honeywell/Process
Control Division
Howe Richardson Co.
Lakeland Engineering
Equipment Co.
MCC Powers
Newport Instruments Ltd.
(England)
Pacific Scientific Company
Gardner/Neotec
Instrument Div.
The Partlow Corporation
Technicon Industrial
Systems
Troika Processes Pvt. Ltd.
(India)
Wesmar Industrial
System Div.

CONVEYORS, ELEVATORS

American Drying
Systems, Inc.
American Drynamics Inc.
La Americana
Grasas Y Aceites
Comestibles, S.A.
(Colombia)
BLOUNT/ferrell-ross
BLOUNT/mix-mill
Buhler Brothers Ltd.
(Switzerland)
Buhler-Miag, Inc.
Cargill Agricola S.A.
(Brazil)
The Chantland Company -
Div. of Douglas &
Lomason Co.
Codema, Inc.
COROIL, C.A. (Venezuela)
Creason Corrugating &
Machinery Co. Inc.
Dabney-Hoover
Supply Co. Inc.
Damman-Croes SA
(Belgium)
Divine Engineering, Inc.
DuMond Company, Inc.
Dunbar Kapple
Du-Val Industrial Foreign
Trade Corporation
Electrical Engineering
& Equipment Co.
FMC Corporation, Material
Handling Systems Div.
Feeco International, Inc.
Dave Fischbein Company
Forsbergs Inc.
Fort Worth Steel
& Machinery
Hagan Mfg. Co.
Hayes & Stolz
Industrial Mfg. Co., Inc.
Houston Public Grain
Elevator
InterSystems, Inc.
Jeffrey Manufacturing Div.,
Dresser Industries Inc.
Lakeland Engineering
Equipment Co.
Mathews Co.
Mayrath Industries, Inc.
Multilift, Inc.
Nadustco, Inc.
Newell Machinery Co., Inc.
Portable Elevator Division
Screw Conveyor Corp.
Seedburo Equip. Co.
Speed King Mfg. Co., Inc.
Sprout-Waldron Division
Thomas Conveyor Co.
Tramco Metal
Products, Inc.
Troika Processes Pvt. Ltd.
(India)
Union Iron
Universal Industries
Wheelabrator-Frye, Inc.

DRYING & AERATION

CONDITIONERS & COOLERS

American Drynamics Inc.
La Americana
Grasas Y Aceites
Comestibles, S.A.
(Colombia)
Damman-Croes SA
(Belgium)
Davenport Machine
& Foundry Co.
DuMond Company, Inc.
Du-Val Industrial Foreign
Trade Corporation
Feeco International, Inc.
French Oil Mill
Machinery Co.
Hagan Mfg. Co.
Jeffrey Manufacturing Div.
Dresser Industries Inc.
Masiero Industrial S/A
(Brazil)
N. Hunt Moore
& Assoc., Inc.
Moorhead Machinery and
Boiler Company
Ponndorf Maschinenfabrik,
GmbH (Fed. Rep.
of Germany)
Sprout-Waldron Division
Superior Welding Company
Troika Processes Pvt. Ltd.
(India)

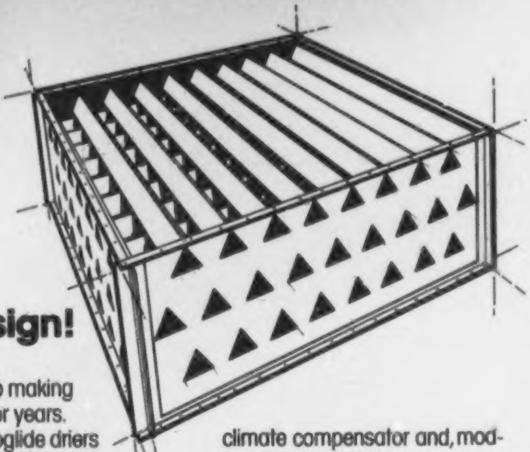
GRAIN DRYERS

Aeroglide Corp.
American Drying
Systems, Inc.
American Drynamics Inc.
American Farm
Equipment Co.
La Americana
Grasas Y Aceites
Comestibles, S.A.
(Colombia)
Berico Industries
BLOUNT/ferrell-ross
Buhler Brothers Ltd.
(Switzerland)
CEA Carter-Day Co.
Chicago Eastern Corp.
Dabney-Hoover
Supply Co. Inc.
DriAll, Inc.
DuMond Company, Inc.
FMC Corporation, Material
Handling Systems Div.
Farm Fans, Inc.
Gustafson, Inc.
Hagan Mfg. Co.
Jeffrey Manufacturing Div.,
Dresser Industries Inc.
Kuss Corporation
M & W Gear Company
Mathews Co.
Mid-America Products, Inc.
Ponndorf Maschinenfabrik,
GmbH (Fed. Rep.
of Germany)
George A. Rolfes Company
Triple/S Dynamics
Troika Processes Pvt. Ltd.
(India)
D.W. Tyler Company

MEAL DRYERS

American Drynamics Inc.

NO DRIER SCREEN REPLACEMENT-EVER!



Aeroglide has the design!

Crossed baffle design, an Aeroglide exclusive. Honeycombed long wearing baffles typically last years, even drying abrasive soybeans. Maintenance costs are practically eliminated.

Baffles separate and mix the grain mass for uniform drying. Baffles are air ducts to provide equal air flow to each kernel or bean. And baffles make Aeroglide driers the sturdiest of all. They last, and they keep making money for years.

Aeroglide driers are characterized by large holding capacities, long exposure times, low air volumes and constant mixing of the grain. Uniform, clean, low cost drying results. More benefits come from these unique design elements: induced draft, power discharge, ROTARY CENTRILECTOR, climate compensator and, modular constructions.

Compare before you buy. Driers do differ and they differ in significant ways. Call 919/851-2000 or write for a comparison chart. It can serve as a "check list" to help you buy the best drier.

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Raleigh, North Carolina 27611.

Aeroglide® Driers

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Buhler Brothers Ltd. (Switzerland)
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Davenport Machine & Foundry Co.
DuMond Company, Inc.
FMC Corporation, Material Handling Systems Div.
French Oil Mill Machinery Company
Jeffrey Manufacturing Div., Dresser Industries Inc.
Masiero Industrial S/A (Brazil)
N. Hunt Moore & Assoc., Inc.
Moorhead Machinery and Boiler Company
Ponndorf Maschinenfabrik, GmbH (Fed. Rep. of Germany)
Superior Welding Company
Troika Processes Pvt. Ltd. (India)

DUST CONTROL FILTER BAGS

Buhler Brothers Ltd. (Switzerland)
CEA Carter-Day Co.
C.A. Facegra (Venezuela)
Houston Public Grain Elevator
Langston Bag Co., Inc.
MikroPul Corporation
N. Hunt Moore & Assoc., Inc.
Nadustco, Inc.
Pulverizing Machinery - Div. of MikroPul Corp.
Troika Processes Pvt. Ltd. (India)
D. W. Tyler Company
H.R. Williams Mill Supply Company

DUST CONTROL SYSTEMS

Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
CEA Carter-Day Co.
Codema, Inc.
DuMond Company, Inc.
C.A. Facegra (Venezuela)
Feeco International, Inc.
Forsbergs Inc.
Houston Public Grain Elevator
MikroPul Corporation
N. Hunt Moore & Assoc., Inc.
Nadustco, Inc.
Newell Machinery Co., Inc.
Pulverizing Machinery - Div. of MikroPul Corp.
George A. Rolfes Company
Sprout-Waldron Division
Troika Processes Pvt. Ltd. (India)
D.W. Tyler Company
Wheelabrator-Frye, Inc.

ELEVATOR BUCKETS

La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Codema, Inc.
Dabney-Hoover Supply Co. Inc.
Feeco International, Inc.
Fort Worth Steel & Machinery
Hagan Mfg. Co.
Houston Public Grain Elevator
Jeffrey Manufacturing Div., Dresser Industries Inc.
Mathews Co.
Newell Machinery Co., Inc.
Screw Conveyor Corp.
Speed King Mfg. Co., Inc.
Troika Processes Pvt. Ltd. (India)
Union Iron
Universal Industries
H.R. Williams Mill Supply Company
K.I. Willis Corp.

ELEVATOR LIFTS

La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Bender-Ross Equipment Co. Inc.
Cargill Agricola S.A. (Brazil)
Dabney-Hoover Supply Co. Inc.
Feeco International, Inc.
Fort Worth Steel & Machinery
Portable Elevator Division
Sprout-Waldron Division
Troika Processes Pvt. Ltd. (India)

FANS

American Drynamics Inc.
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
CEA Carter-Day Co.
Codema, Inc.
Dabney-Hoover Supply Co. Inc.
Entoleter Division, Safety Railway Serv. Corp.
C.A. Facegra (Venezuela)
Farm Fans, Inc.
Fort Worth Steel & Machinery
Hagan Mfg. Co.
Houston Public Grain Elevator
Mathews Co.
N. Hunt Moore & Assoc., Inc.
Nadustco, Inc.
Sprout-Waldron Division
Triple/S Dynamics
Troika Processes Pvt. Ltd. (India)

FLOW MEASUREMENT INSTRUMENTS

ERDCO Engineering Corp.

FUMIGANTS

Houston Public Grain Elevator

GRAIN ANALYZERS

La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Cargill Agricola S.A. (Brazil)
Foss America Inc.
Newport Instruments Ltd.
Oxford Analytical

Instruments Ltd. (England)
Pacific Scientific Company
Gardner/Neotec Instrument Division
Tecator Inc.
Technicon Industrial Systems
Troika Processes Pvt. Ltd. (India)

GRAIN & MATERIAL HANDLING EQUIPMENT

American Drynamics Inc.
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Bazooka Grain Moving Systems
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
CEA Carter-Day Co.
The Chantland Company - Div. of Douglas & Lomason Co.
Chicago Eastern Corp.
Dabney-Hoover Supply Co. Inc.
Damman-Croes SA (Belgium)
Deere and Company
Divine Engineering, Inc.
DuMond Company, Inc.
Dunbar Kapple
Electrical Engineering & Equipment Co.
FMC Corporation, Material Handling Systems Div.
C.A. Facegra (Venezuela)
Farm Fans, Inc.
Feeco International, Inc.
Fort Worth Steel & Machinery
A. Gusmer, Inc.
Hagan Mfg. Co.
Hayes & Stolz Industrial Mfg. Co., Inc.
Houston Public Grain Elevator
Howe Richardson Co.
S. Howes Co., Inc.
InterSystems, Inc.
Jeffrey Manufacturing Div., Dresser Industries Inc.
Lakeland Engineering Equipment Co.
Mathews Co.
Mayrath Industries, Inc.
N. Hunt Moore & Assoc., Inc.
Newell Machinery Co., Inc.
Phelps Industries, Inc.
Portable Elevator Division
Prater Industries, Inc.
Rhino Sales Corporation
Roskamp Mfg., Inc.
Screw Conveyor Corp.
Seedburo Equip. Co.
Speed King Mfg. Co., Inc.
Sprout-Waldron Division
Thomas Conveyor Co.
Tramco Metal Products, Inc.
Triple/S Dynamics
Troika Processes Pvt. Ltd. (India)
D. W. Tyler Company
Union Iron
Universal Industries

GRAIN CLEANING, SEPARATING EQUIPMENT

Alpine American Corp.
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Hermann Bauermeister Maschinenfabrik GmbH (Fed. Rep. of Germany)
BLOUNT/ferrell-ross
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
CEA Carter-Day Co.
Cargill Agricola S.A. (Brazil)
Codema, Inc.
Crippen Mfg. Co. Inc.
Dabney-Hoover Supply Co. Inc.
Damman-Croes SA (Belgium)
DuMond Company, Inc.
Entoleter Division, Safety Railway Serv. Corp.
Farm Fans, Inc.
Forsbergs Inc.
French Oil Mill Machinery Company
A. Gusmer, Inc.
Gustafson, Inc.
Hagan Mfg. Co.
S. Howes Co., Inc.
Huntley Mfg. Co. Inc.
InterSystems, Inc.
Mathews Co.
N. Hunt Moore & Assoc., Inc.
Newell Machinery Co., Inc.
Oliver Manufacturing Co.
Prater Industries, Inc.
Roskamp Mfg., Inc.
Rotex Inc.
Seedburo Equip. Co.
Smico Corporation
Sprout-Waldron Division
Sweco, Inc.
Triple/S Dynamics
Troika Processes Pvt. Ltd. (India)
D.W. Tyler Company
Union Iron
H.R. Williams Mill Supply Company

GRAIN GRADING EQUIPMENT

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Buhler Brothers Ltd. (Switzerland)
Codema, Inc.
Crippen Mfg. Co. Inc.
Dabney-Hoover Supply Co. Inc.
DuMond Company, Inc.
Gustafson, Inc.
Huntley Mfg. Co. Inc.
InterSystems, Inc.
Mathews Co.
Rotex Inc.
Seedburo Equip. Co.
Sprout-Waldron Division
Triple/S Dynamics
Troika Processes Pvt. Ltd. (India)
H.R. Williams Mill Supply Company

GRINDING & MIXING EQUIPMENT

Alpine American Corp.
CE Bauer
Hermann Bauermeister Maschinenfabrik GmbH (Fed. Rep. of Germany)
Bauermeister, Inc.
BLOUNT/mix-mill
Buhler Brothers Ltd. (Switzerland)
Codema, Inc.
Creason Corrugating & Machinery Co. Inc.
Dabney-Hoover Supply Co. Inc.
Damman-Croes SA (Belgium)
Deere and Company
DuMond Company, Inc.
Entoleter Division, Safety Railway Service Corp.
Feeco International, Inc.
Hayes & Stolz Industrial

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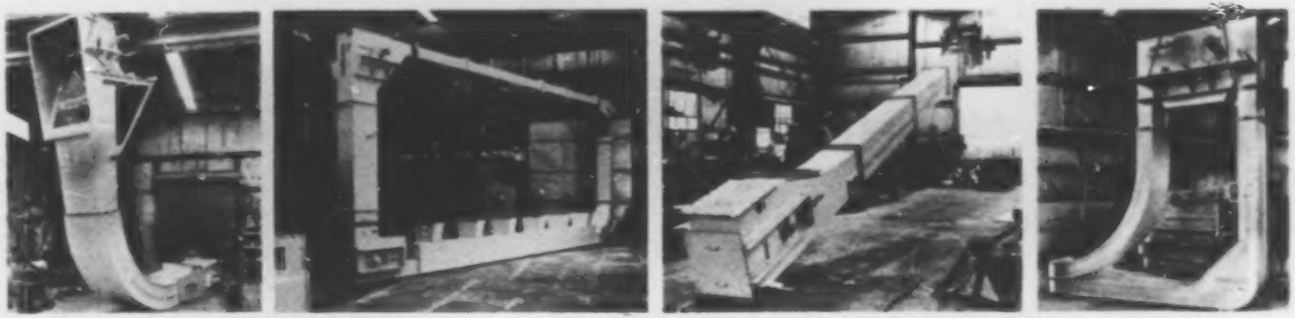

DIVINE ENGINEERING, INC.

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319—365-0564

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Mgf. Co., Inc.
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Jacobson Machine Works, Inc.
Jensen Mills
Modern Process Equipment Inc.
Prater Industries, Inc.
Pulverizing Machinery, Div. of MikroPul Corp.
Roskamp Mfg., Inc.
Sprout-Waldron Division
Sweco, Inc.
Troika Processes Pvt. Ltd. (India)
Urschel Laboratories, Inc.

LABORATORY EQUIPMENT

Alpine American Corp.
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Cargill Agricola S.A. (Brazil)
Codema, Inc.
COROIL, C.A. (Venezuela)
ERDCO Engineering Corp.
C.A. Facegra
Foss America Inc.
A. Gusmer, Inc.
Gustafson, Inc.
S. Howes Co., Inc.
Newport Instruments Ltd. (England)
Pulverizing Machinery, Div. of MikroPul Corp.
Sprout-Waldron Division
Star Systems Filtration Division
Tecator Inc.
Technicon Industrial Systems
Thai Theparos Factory R.O.P. (Thailand)
Troika Processes Pvt. Ltd. (India)

MATERIAL FLOW AIDS

The Foxboro Company
Houston Public Grain Elevator
J.M. Huber Corp.
Jeffrey Manufacturing Div., Dresser Industries Inc.
Martin Engineering Co.
Revere Corp. of America
Rhino Sales Corporation
Troika Processes Pvt. Ltd. (India)

MATERIAL LEVEL INDICATORS

La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Bindicator Company
Dabney Hoover Supply Co. Inc.
C.A. Facegra (Venezuela)
The Foxboro Company
Revere Corp. of America
Stemmerich, Inc.
Troika Processes Pvt. Ltd. (India)
Wesmar, Industrial Systems Division

MOISTURE TESTERS

Allis-Chalmers Corp.
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Dabney-Hoover Supply Co. Inc.
Deere and Company
C.A. Facegra (Venezuela)
Foss America Inc.
The Foxboro Company
Mathews Co.
Motomco, Inc.
Newport Instruments Ltd. (England)
Pacific Scientific Company
Gardner/Neotec Instrument Division
Seedburo Equip. Co.
Technicon Industrial Systems

OIL/FAT & OIL/ FIBER ANALYZERS

Alfa-Laval AB (Sweden)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Barrow Agee Laboratories
Cargill Agricola S.A. (Brazil)
Oxford Analytical Instruments Ltd. (England)
Pacific Scientific Company
Gardner/Neotec Instrument Division
Tecator Inc.
Technicon Industrial Systems
Thai Theparos Factory R.O.P. (Thailand)
Woodson-Tenent Laboratories

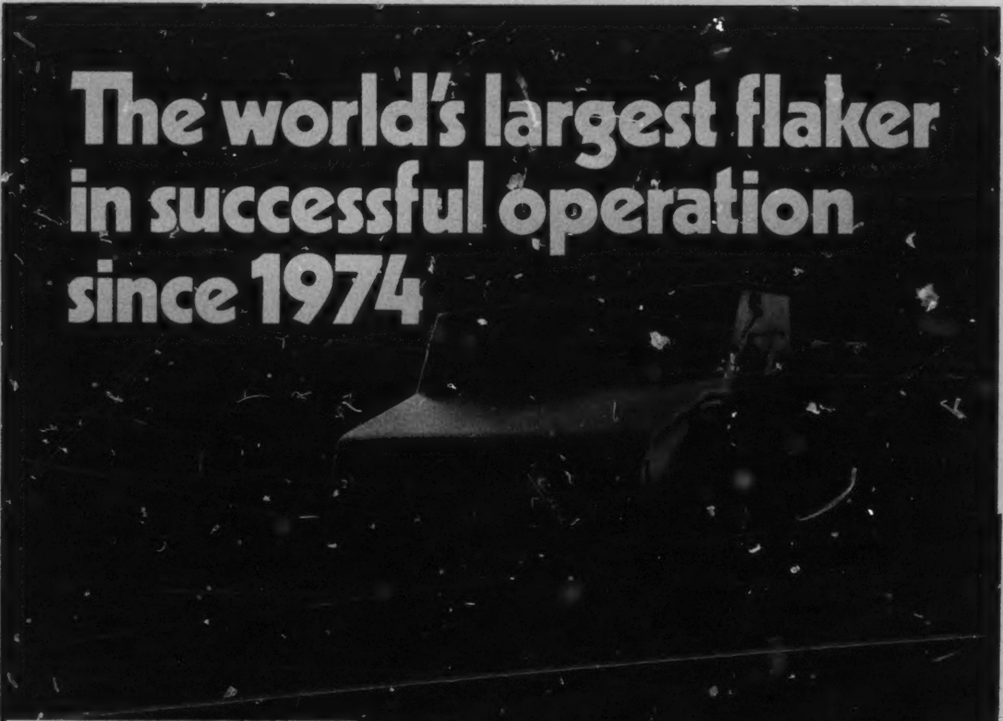
PELLETING EQUIPMENT

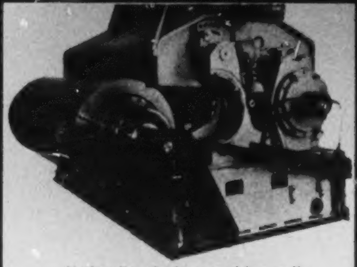
Buhler Brothers Ltd. (Switzerland)
California Pellet Mill Co.
Cargill Agricola S.A. (Brazil)
COROIL, C.A. (Venezuela)
DuMond Company, Inc.
Feeco International, Inc.
Sprout-Waldron Division
Troika Processes Pvt. Ltd. (India)

POWER TRANSMISSION EQUIPMENT

La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Browning Mfg. Div. Emerson Electric Co.
Cargill Agricola S.A. (Brazil)
COROIL, C.A. (Venezuela)
Creason Corrugating & Machinery Co. Inc.
Dabney-Hoover Supply Co. Inc.
Divine Engineering, Inc.
Dodge/Reliance Electric
DuMond Company, Inc.
Electrical Engineering & Equipment Co.
C.A. Facegra (Venezuela)
The Falk Corp.
Flexible Steel Lacing Co.
Fort Worth Steel & Machinery
Houston Public Grain Elevator
Lakeland Engineering Equipment Co.
Newell Machinery Co., Inc.
PT Components, Inc. Link-Belt Bearing Div.
Power Transmission Div.
Superior Welding Company

The world's largest flaker in successful operation since 1974





Hydraulic device enables roll changes in as little as 5 hours. Guided roll end grinding is fast and easy. Note bolt-on journal assemblies.

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One DOZC will replace two or more smaller units. Yet it takes less plant space, requires less investment in bulk handling equipment, and you have only one machine to operate and maintain. Customers in high-capacity plants throughout the world have proven the DOZC to be efficient, reliable and quiet. Roll adjustments are made easily from the outside. An integral feeder is specially designed to balance wear, minimize roll end grinding and extend roll life. And the noise level of this smooth-running flaker is a low 85 dBA. ***Write, call or telex for complete details.***

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81-125

Troika Processes Pvt. Ltd. (India)
Union Iron

PUMPS

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American Lewa, Inc.
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Best-Way, Inc.
Cargill Agricola S.A. (Brazil)
COROIL, C.A. (Venezuela)
Dabney-Hoover Supply Co. Inc.
DuMond Company, Inc.
Du-Val Industrial Foreign Trade Corporation
C.A. Facegra (Venezuela)
Houston Public Grain Elevator
A. Gusmer, Inc
Newell Machinery Co., Inc.
Troika Processes Pvt. Ltd. (India)

QUALITY CONTROL METAL DETECTION

Du-Val Industrial Foreign Trade Corporation
Hayes & Stolz Industrial Mfg. Co., Inc.
Rank Precision Industries, Inc.

RAILWAY SIDING DEVICES

The Aldon Company
Cargill Agricola S.A. (Brazil)
Houston Public Grain Elevator

SCALES

La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Buhler Brothers Ltd. (Switzerland)
Dabney-Hoover Supply Co. Inc.
DuMond Company, Inc.
C.A. Facegra (Venezuela)
Fairbanks Weighing Div., Colt Industries
Dave Fischbein Company
Houston Public Grain Elevator
Howe Richardson Co.
S. Howes Co., Inc.
InterSystems, Inc.
Revere Corp. of America
Seedburo Equip. Co.
Technicon Industrial Services
D.W. Tyler Company

SIFTER SCREENS

Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
DuMond Company, Inc.
S. Howes Co., Inc.
Mathews Co.
Smico Corporation
Sweco, Inc.
Troika Processes Pvt. Ltd. (India)
H.R. Williams Mill Supply Company

SIFTERS

Buhler Brothers Ltd. (Switzerland)
Codema, Inc.
DuMond Company, Inc.
S. Howes Co., Inc.
Mathews Co.
N. Hunt Moore & Assoc., Inc.
Prater Industries, Inc.
Rotex, Inc.
Smico Corporation
Sprout-Waldron Division
Sweco, Inc.
Tetko, Inc.
Troika Processes Pvt. Ltd. (India)
H.R. Williams Mill Supply Company

SOY STORAGE

BUILDINGS

Air-Tech Industries, Inc.
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Cargill Agricola S.A. (Brazil)
De Smet Corporation - (domestic & foreign offices)
Desarrollo Industrial Ings. S.A. (Mexico)
H.L.S. Ltd. (Israel)
Houston Public Grain Elevator
Muskogee Iron Works, Inc.
Quonset
Troika Processes Pvt. Ltd. (India)

ELEVATOR & PROCESSOR UNITS

La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Cargill Agricola S.A. (Brazil)
Dabney-Hoover Supply Co. Inc.
Damman-Croes SA (Belgium)
De Smet Corporation - (domestic & foreign offices)
Desarrollo Industrial Ings. S.A. (Mexico)
DuMond Company, Inc.
Feeco International, Inc.
H.L.S. Ltd. (Israel)
Hagan Mfg. Co.
Newell Machinery Co., Inc.
Portable Elevator Div.
Troika Processes Pvt. Ltd. (India)
D.W. Tyler Company

TANKS, LIQUID STORAGE

La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Best-Way, Inc.
Cargill Agricola S.A. (Brazil)
Chicago Eastern Corp.
COROIL, C.A. (Venezuela)
Dabney-Hoover Supply Co. Inc.
De Smet Corporation - (domestic & foreign offices)
Desarrollo Industrial Ings. S.A. (Mexico)

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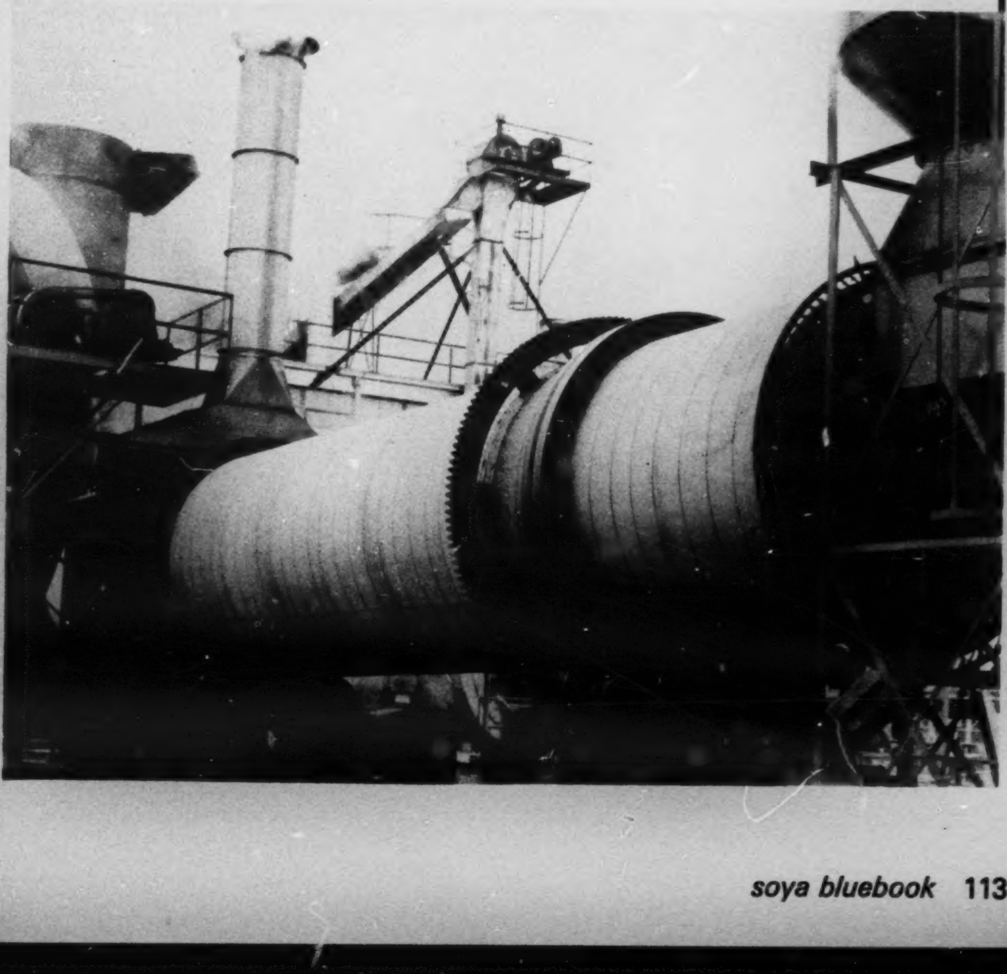

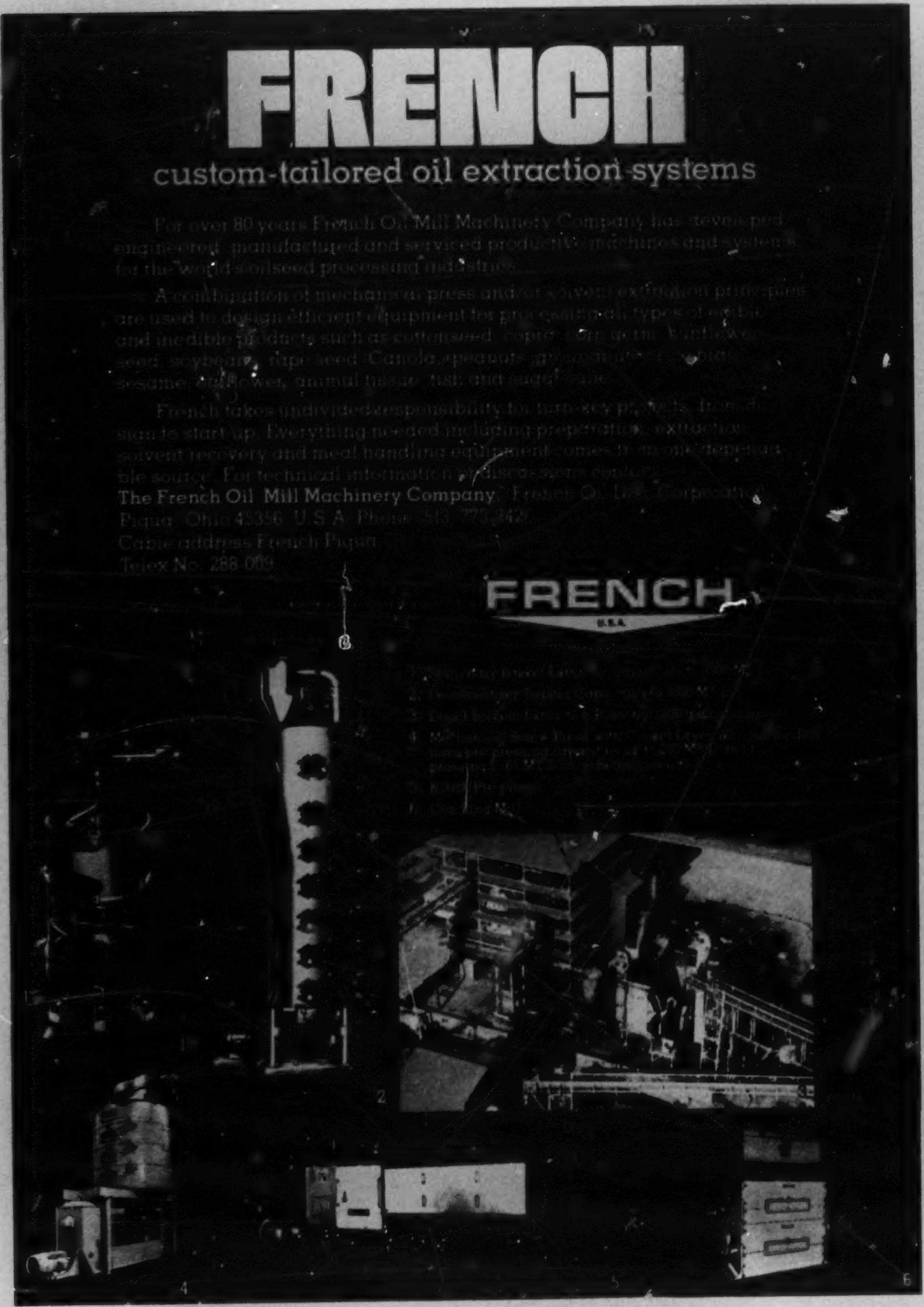

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custom-tailored oil extraction systems

For over 80 years French Oil Mill Machinery Company has developed, engineered, manufactured and serviced productive machines and systems for the world's oilseed processing industries.

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French takes undivided responsibility for turn-key projects, from design to start up. Everything needed including preparation, extraction, solvent recovery and meal handling equipment comes from one dependable source. For technical information or discussions contact:

The French Oil Mill Machinery Company, French Oil Mill Corporation,
Piqua, Ohio 45356 U.S.A. Phone 513 773-342[illegible]
Cable address French Piqua
Telex No. 288-009

FRENCH
U.S.A.

DuMond Company, Inc.
Franz Kirchfeld
  GmbH & Co.
  Kommanditgesellschaft
  (Fed. Rep. of Germany)
H.L.S. Ltd. (Israel)
Moorhead Machinery
  and Boiler Co.
Newell Machinery Co., Inc.
Proform Inc.
Stemmerich, Inc.
Thai Theparos Factory
  R.O.P. (Thailand)
Troika Processes Pvt. Ltd.
  (India)
Webco Tank, Inc.

WAREHOUSING, FIELD

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Cargill Agricola S.A.
  (Brazil)
H.L.S. Ltd. (Israel)
Quonset
Troika Processes Pvt. Ltd.
  (India)

TEMPERATURE SYSTEMS

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  Grasas Y Aceites
  Comestibles, S.A.
  (Colombia)
Cargill Agricola S.A.
  (Brazil)
COROIL, C.A. (Venezuela)
Dabney-Hoover
  Supply Co. Inc.
Du-Val Industrial Foreign
  Trade Corporation
Honeywell/Process
  Control Division
Houston Public
  Grain Elevator
Mathews Co.
Mid-America Products, Inc.
The Partlow Corporation
George A. Rolfes Company
D.W. Tyler Company

TRUCK LIFTS

Bender-Ross
  Equipment Co. Inc.
Dabney-Hoover
  Supply Co. Inc.
Houston Public
  Grain Elevator

Jacobson Machine
  Works, Inc.
Phelps Industries, Inc.
Portable Elevator Division
Screw Conveyor Corp.
Seedburo Equip. Co.
Straight Engineering Co.
Union Iron

UNLOADERS

Buhler Brothers Ltd.
  (Switzerland)
The Chantland Co. -
  Div. of Douglas &
  Lomason Co.
Codema, Inc.
Dabney-Hoover
  Supply Co. Inc.
Fort Worth Steel
  & Machinery
Houston Public
  Grain Elevator
Rhino Sales Corporation
Sprout-Waldron Division
Straight Engineering Co.
Superior Welding Company

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  (Switzerland)
Dabney-Hoover
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DuMond Company, Inc.
Feeco International, Inc.
Forsbergs Inc.
Prater Industries, Inc.
Rotex Inc.
Smico Corporation
Sweco, Inc.
Triple/S Dynamics
Troika Processes Pvt. Ltd.
  (India)
D.W. Tyler Company

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Dabney-Hoover
  Supply Co. Inc.
DuMond Company, Inc.
Martin Engineering Co.
Rhino Sales Corporation
Superior Welding Company
Troika Processes Pvt. Ltd.
  (India)

WARNING SYSTEMS

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  (Brazil)
COROIL, C.A. (Venezuela)
Houston Public
  Grain Elevator
MCC Powers
Troika Processes Pvt. Ltd.
  (India)

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  Comestibles, S.A.
  (Colombia)
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The Cambrian Engineering
  Group Limited (Canada)
Cargill Agricola S.A.
  (Brazil)
COROIL, c.a. (Venezuela)
DuMond Company, Inc.
Franz Kirchfeld
  GmbH & Co.
  Kommanditgesellschaft
  (Fed. Rep. of Germany)
Jeffrey Manufacturing Div.,
  Dresser Industries Inc.
Mixing Equipment Co., Inc.
  Unit of General Signal
Stemmerich, Inc.
Sweco, Inc.
Tenco Hydro, Inc.
Troika Processes Pvt. Ltd.
  (India)

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  (Brazil)
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  & Lomason Co.
DuMond Company, Inc.
Du-Val Industrial Foreign
  Trade Corporation
Fairbanks Weighing Div.,
  Colt Industries
Feeco International, Inc.
Howe Richardson Co.
InterSystems, Inc.
Revere Corp. of America
Smico Corporation
Troika Processes Pvt. Ltd.
  (India)

SOY PRODUCT PROCESSING EQUIPMENT & SUPPLIES

ANTI-CAKING AGENTS

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North American Laboratory
Oil Dri Corporation of America

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La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
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COROIL, C.A. (Venezuela)
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EMI Corporation
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Gebr. Paschedag GmbH (Fed. Rep. of Germany)
H.L.S. Ltd. (Israel)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi-Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
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Star Systems Filtration Division
Sullivan Systems Inc.
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger Inc.

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Harshaw Chemical Co.
Sued-Chemie A.G. (Fed. Rep. of Germany)
Troika Processes Pvt. Ltd. (India)
United Catalysts Inc.

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Buhler-Miag, Inc.
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Costruzioni Meccaniche Bernardini CMB SpA (Italy)
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Damman-Croes SA (Belgium)
De Smet Corporation - (domestic & foreign offices)
Desarrollo Industrial Ings. S.A. (Mexico)
Diktic Inc.
Do-Well Oil Plants Private Limited (India)
Dravo Engineers & Constructors
DuMond Company, Inc.
Du-Val Industrial Foreign Trade Corporation
EMI Corporation
Extraktionstechnik GmbH (Fed. Rep. of Germany)
Feeco International, Inc.
Food Ingredients Inc.
Fratelli DeVita SpA (Italy)
French Oil Mill Machinery Company
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
H.L.S. Ltd. (Israel)
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Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi-Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
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Sullivan Systems Inc.
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger Inc.

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CONTINUOUS CONTERCURRENT SOLVENT EXTRACTION

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Costruzioni Meccaniche Bernardini CMB SpA (Italy)
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Desarrollo Industrial Ings. S.A. (Mexico)
Diktic Inc.
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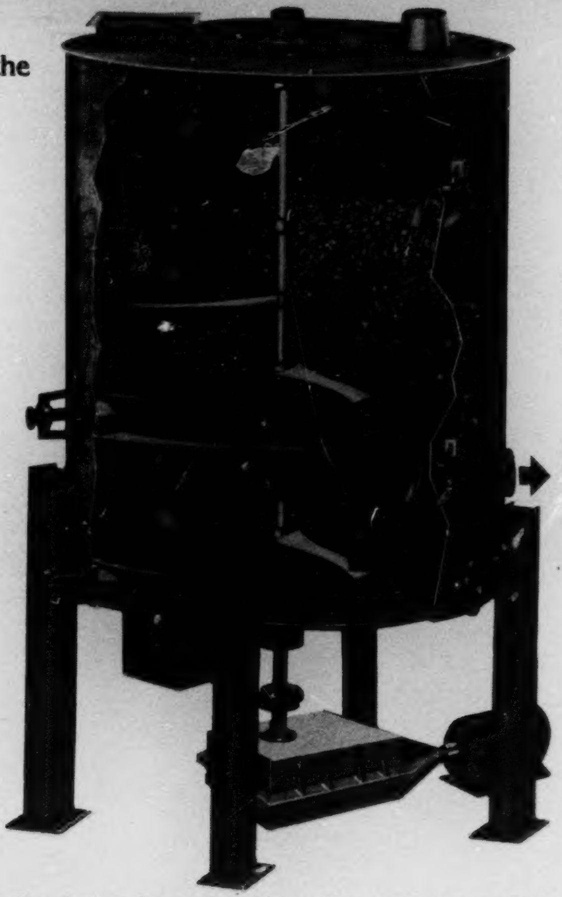
Crown Hull Toaster-Cooler

Advantages of the Crown Hull Toaster-Cooler

Uniform heating and moisturization by live, saturated steam.

Uniform cooling and drying by cool rising air.

Maximum efficiency by true counter-current heating and cooling, lower steam consumption, less conveying, lower horsepower requirements.



Better results through direct steam contact, automatically adjusted bed levels, low steam/meal velocities, longer retention time.

Safer operation due to lower temperatures, fully automatic controls, simple two-stage process.

Reduced maintenance thanks to one piece, two-stage design and tight, heavy-duty construction.

A typical soybean processing plant produces oil, meal and hulls. The Crown Hull Toaster-Cooler is designed to toast, dry and cool hulls producing a product that is excellent for animal feed.

Hulls enter the two-stage Toaster-Cooler from the top and build to a controlled depth on the first tray. Steam is injected through the perforated tray and passes up through the hull bed, raising hull temperature and moisture to optimum toasting levels.

Toasting occurs as hulls move downward through the flow of live steam. Agitator arms driven by a central shaft keep the material moving, prevent steam channeling and provide uniform, direct-contact toasting. Retention time is uniform for all particles, resulting in extremely efficient processing plus consistent color and quality.

After toasting, material is automatically metered from the first to the second tray. Ambient air is introduced, forced up through the bed. Sweep arms ensure intimate contact for efficient drying and cooling. At the end of this cycle, hulls are cool to the touch, uniform in size, color and quality and ready for grinding.

The Crown Hull Toaster-Cooler saves mechanical and steam energy by using a low velocity, long retention process for both toasting and cooling. This results in lower operating cost and the best possible product.

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Simon-Rosedowns Ltd. (United Kingdom)
Superior Welding Company
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Wurster & Sanger Inc.

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Du-Val Industrial Foreign Trade Corporation
Fort Worth Steel & Machinery
Fratelli DeVita SpA (Italy)
French Oil Mill Machinery Company
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H.L.S. Ltd. (Israel)
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Simon-Rosedowns Ltd. (United Kingdom)
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Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
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Moorhead Machinery and Boiler Company
Simon-Rosedowns Ltd. (United Kingdom)
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Feeco International, Inc.
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Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
Fratelli DeVita SpA (Italy)
French Oil Mill Machinery Company
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
H.L.S. Ltd. (Israel)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
Simon-Rosedowns Ltd. (United Kingdom)
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Entoleter Division, Safety Railway Service Corp.
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Desarrollo Industrial Ings. S.A. (Mexico)
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DuMond Company, Inc.
EMI Corporation
Extraktionstechnik GmbH (Fed. Rep. of Germany)
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
Fratelli DeVita SpA (Italy)
French Oil Mill Machinery Company
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
H.L.S. Ltd. (Israel)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
Rust Engineering Co.
Simon-Rosedowns Ltd. (United Kingdom)
Sullivan Systems Inc.
Superior Welding Company
Troika Processes Pvt. Ltd. (India)
Union Comercial Industrial SA (Peru)
Wurster & Sanger Inc.

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Damman-Croes SA (Belgium)
Davidson-Kennedy Co.
De Smet Corporation - (domestic & foreign offices)
Desarrollo Industrial Ings. S.A. (Mexico)
Dravo Engineers & Constructors
DuMond Company, Inc.
Extraktionstechnik GmbH (Fed. Rep. of Germany)
Feeco International, Inc.
French Oil Mill Machinery Company
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H.L.S. Ltd. (Israel)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
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Moorhead Machinery and Boiler Corp.
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Fratelli DeVita SpA (Italy)
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Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
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Sullivan Systems Inc.
Superior Welding Company
Troika Processes Pvt. Ltd. (India)
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Davy Bamag reports

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Roskamp Mfg., Inc.
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Urschel Laboratories, Inc.

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Desarrollo Industrial Ings. S.A. (Mexico)
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Engineers & Erectors Inc.
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Fratelli DeVita SpA (Italy)
French Oil Mill Machinery Company
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Charles Isdale & Associates, Inc.
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Masiero Industrial S/A (Brazil)
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Superior Welding Company
Thai Theparos Factory R.O.P. (Thailand)
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PSI Process Systems, Inc.
Rust Engineering Co.
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Sullivan Systems Inc.
Troika Processes Pvt. Ltd. (India)
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Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
Fratelli DeVita SpA (Italy)
French Oil Mill Machinery Company
H.L.S. Ltd. (Israel)
Star Systems Filtration Division
Sullivan Systems Inc.
Troika Processes Pvt. Ltd. (India)
Union Comercial Industrial SA (Peru)
Wurster & Sanger Inc.

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Sullivan Systems Inc.
Troika Processes Pvt. Ltd. (India)
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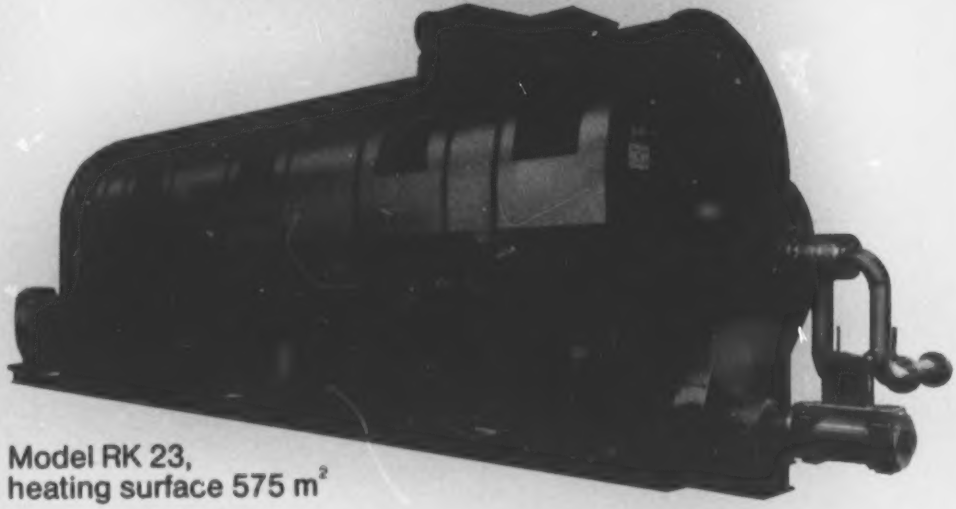
Ponndorf Tubular Bundle Drier for soybean meal



Model RK 23,
heating surface 575 m^2

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Ponndorf

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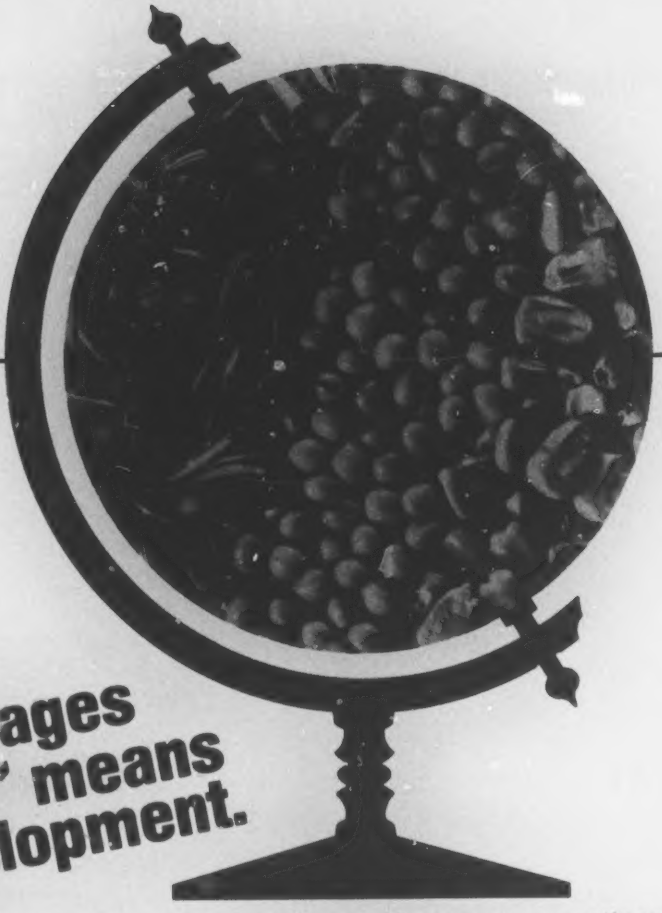

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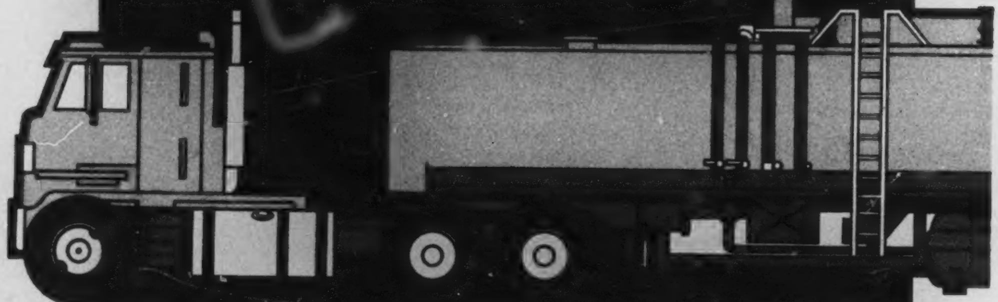
Des Plaines, IL 60018 U.S.A.
(located near Chicago/O'Hare
International Airport)
Phone 312-827-3164
Telex 726354 EMI DSP

EMI introduces MACS™



Mobile Action Cleaning System

PATENT PENDING

The timely solution.

At EMI Corporation we understand the smooth flow required to operate a food processing plant efficiently and profitably.

It's our **business** to know.

Consider this. Taking the tank car to a cleaning station may mean a week or more of high priced, time-wasting deadhead travel. Costly delay. That's why EMI is introducing MACS.

MACS takes cleaning **to** the tank car.

This completely self-contained unit goes to your location. Cleans your tank cars on the siding. Keeps rolling stock rolling. So instead of costing you money — tank cars are earning you money.

MACS is a highly efficient unit with two 3500 gallon water tanks, a 300 gallon tank of concentrated cleaning solution, heat exchanger, high pressure pumps and a return vacuum.

MACS automatically mixes pre-selected amounts of detergent with the water, heats the solution to 165°F., and pumps it at 200 PSI pressure throughout the tank in a hundred percent coverage pattern. The vacuum returns the solution which is cleaned and recycled. Thus, preventing the release of fumes into the atmosphere.

The MACS mobile unit is equally effective in cleaning large stationary tanks, barges and tankers. And the vacuum feature is extremely useful in cleaning up highway spills.

Call or write for the complete MACS story.

MACS. It's about time.

EMI SERVICES COMPANY

3166 Des Plaines Avenue
Des Plaines, Illinois 60018 U.S.A.
Phone (312) 827-3164 Telex 726354 EMI DSP

Wurster & Sanger Inc.

PROTEIN and/or MISCELLANEOUS ANALYZERS

La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Dickey-john Corporation
North American Laboratory
Pacific Scientific Company
Gardner/Neotec Instrument Division
Tecator Inc.
Technicon Industrial Systems
Thai Theparos Factory R.O.P. (Thailand)
Troika Processes Pvt. Ltd. (India)

PROTEIN PLANTS

Ross Brian and Assoc. Inc.
The Cambrian Engineering Group Limited (Canada)
Crest Products Inc.
De Smet Corporation - (domestic & foreign offices)
Dravo Engineers & Constructors
EMI Corporation
Food Ingredients, Inc.
Fratelli DeVita SpA (Italy)
French Oil Mill Machinery Company
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
H.L.S. Ltd. (Israel)
Charles Isdale & Associates, Inc.
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
North American Laboratory
PSI Process Systems, Inc.
Simon-Rosedowns Ltd. (United Kingdom)
Thai Theparos Factory R.O.P. (Theparos)
Troika Processes Pvt. Ltd. (India)
Westfalia Separator AG (Fed. Rep. of Germany)

SEASONINGS

First Spice Mixing Co. Inc.
North American Laboratory
Troika Processes Pvt. Ltd. (India)

SCREENERS

Alfa-Laval AB (Sweden)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Buhler Brothers Ltd. (Switzerland)
DuMond Company, Inc.
S. Howes Co., Inc.
Mathews Co.
N. Hunt Moore & Assoc., Inc.
Prater Industries, Inc.
Rotex Inc.
Sprout-Waldron Division
Sweco, Inc.
Troika Processes Pvt. Ltd. (India)

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Alfa-Laval AB (Sweden)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Chemetron Process Equipment Inc.
COROIL, C.A. (Venezuela)
Diktic Inc.
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
Fratelli DeVita SpA (Italy)
H.L.S. Ltd. (Israel)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Star Systems Filtration Division
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger Inc.

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COROIL, C.A. (Venezuela)
Costruzioni Meccaniche Bernardini CMB SpA (Italy)
De Smet Corporation - (domestic & foreign offices)
Extraktionstechnik GmbH (Fed. Rep. of Germany)
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
H.L.S. Ltd. (Israel)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Stemmerich, Inc.
Sullivan Systems
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger Inc.

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La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
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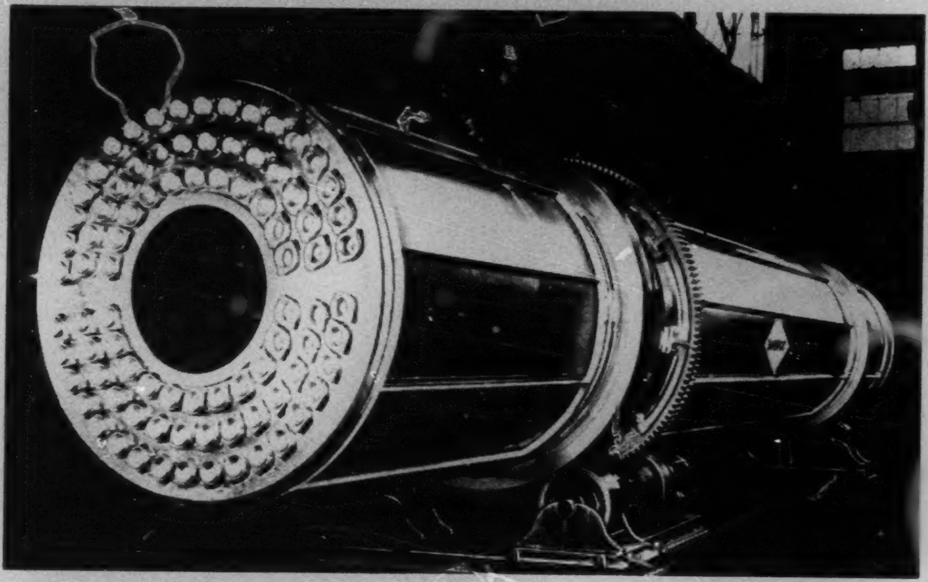
CAP, Inc.
Costruzioni Meccaniche Bernardini CMB SpA (Italy)
Crown Iron Works Co.
De Smet Corporation - (domestic & foreign offices)
Desarrollo Industrial Ings. S.A. (Mexico)
Dravo Engineers & Constructors
Extraktionstechnik GmbH (Fed. Rep. of Germany)
French Oil Mill Machinery Company
H.L.S. Ltd. (Israel)
Charles Isdale & Assoc., Inc.
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
N. Hunt Moore & Assoc., Inc.
Simon-Rosedowns Ltd. (United Kingdom)
Superior Welding Company
Thai Theparos Factory R.O.P. (Thailand)
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger Inc.



The Standard for the Industry

Soybeans are an ever-increasing agricultural crop in the U.S., as well as the rest of the world. Efficient and economical processing is vital to the industry and Davenport equipment has met those challenges for many years. Davenport consistently provides the high quality that results in consistent throughput, minimal maintenance and lower downtime. Daveport's reputation for long lived equipment comes from proper design engineering, careful attention to the customers' requirements, and use of the most durable components in the industry.

No newcomer to the field can match Davenport's proven performance and experience in the soybean field. Davenport is the standard for the industry and the benchmark to which others are compared.

When it comes to solvent extraction, conditioning, drying and cooling of soybean products, Davenport is the answer.

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A Division of Middle States Corporation

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Bernardini CMB SpA
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Crown Iron Works Co.
De Smet Corporation -
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Desarrollo Industrial
Ings. S.A. (Mexico)
Dravo Engineers
& Constructors
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EMI Corporation
Extraktionstechnik GmbH
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Fratelli DeVita SpA (Italy)
French Oil Mill
Machinery Company
H.L.S. Ltd. (Israel)
Charles Isdale
& Associates, Inc.
Krupp Industrie - Und
Stahlbau, Werk Harburg
(Fed. Rep. of Germany)
Lurgi Umwelt und
Chemotechnik GmbH
(Fed. Rep. of Germany)
Masiero Industrial S/A
(Brazil)
N. Hunt Moore
& Assoc., Inc.
Moorhead Machinery
and Boiler Co.
PSI Process Systems, Inc.
Superior Welding Company
Troika Processes Pvt. Ltd.
(India)
Wurster & Sanger Inc.

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Drake Petroleum Company
Exxon Company, USA
Getty Refining
& Marketing Corp.
Phillips Chemical Company
Troika Processes Pvt. Ltd.
(India)
Union Chemicals Div.,
Union Oil Co.
of California

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Quong Hop & Co.
Westfalia Separator AG
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Du-Val Industrial Foreign
Trade Corporation
French Oil Mill
Machinery Company

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Equipment Inc.
COROIL, C.A. (Venezuela)
Costruzioni Meccaniche
Bernardini CMB SpA
(Italy)
De Smet Corporation -
(domestic & foreign
offices)
Desarrollo Industrial
Ings. S.A. (Mexico)
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EMI Corporation
Extraktionstechnik GmbH
(Fed. Rep. of Germany)
C.A. Facegra (Venezuela)
Franz Kirchfeld
GmbH & Co.
Kommanditgesellschaft
(Fed. Rep. of Germany)
Fratelli DeVita SpA (Italy)
French Oil Mill
Machinery Company
H.L.S. Ltd. (Israel)
Krupp Industrie - Und
Stahlbau, Werk Harburg
(Fed. Rep. of Germany)
Lurgi Umwelt und
Chemotechnik GmbH
(Fed. Rep. of Germany)
PSI Process Systems, Inc.
Sullivan Systems Inc.
Troika Processes Pvt. Ltd.
(India)
Westfalia Separator AG
(Fed. Rep. of Germany)
Wurster & Sanger Inc.

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Fort Worth Steel
& Machinery
Hagan Mfg. Co.
Mathews Co.
Universal Industries

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Gandy Company
Noble Division,
Lear Siegler Inc.
TH Agriculture
& Nutrition Co., Inc.

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Moving Systems
Dabney-Hoover
Supply Co. Inc.
DuMond Company, Inc.
Dunbar Kapple
Fort Worth Steel
& Machinery

Hagan Mfg. Co.
Jeffrey Manufacturing Div., Dresser Industries Inc.
Mathews Co.
Mayrath Industries, Inc.
Multilift, Inc.
Portable Elevator Division
Screw Conveyor Corp.
Speed King Mfg. Co., Inc.
Thomas Conveyor Co.
Troika Processes Pvt. Ltd. (India)
Union Iron
Universal Industries

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DriAll, Inc.
DuMond Company, Inc.
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Hart-Carter Company
Jeffrey Manufacturing Div., Dresser Industries Inc.
Kuss Corporation
M & W Gear Company
Mathews Co.
Mid-America Products, Inc.
George A. Rolfes Company
Troika Processes Pvt. Ltd. (India)

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Du-Val Industrial Foreign Trade Corporation
Ecological Products, Ltd.
W.R. Grace & Co.
Helena Chemical Co.
Leffingwell Division, TH Agriculture & Nutrition Company, Inc.
Miko Inc.
Monsanto Agricultural Products Company
Occidental Chemical Co.
Smith-Douglass, Inc.
TH Agriculture & Nutrition Co., Inc.
USS AgriChemicals
United States Borax & Chemical Corp.

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W.R. Grace & Co.
Gustafson, Inc.
Helena Chemicals Co.
Kalo Ag Chemicals, Inc.
Mineral Research & Development Corp.
The Nitragin Company, Inc.
Occidental Chemical Co.
Olin Corp.
Rhone-Poulenc Inc.
Sandoz, Inc.
Smith-Douglass, Inc.
Stauffer Chemical Co.
TH Agriculture & Nutrition Co., Inc.
Terral-Norris Seed Co. Inc.
Uniroyal Chemical, Uniroyal, Inc.
The Upjohn Company
The Urbana Laboratories

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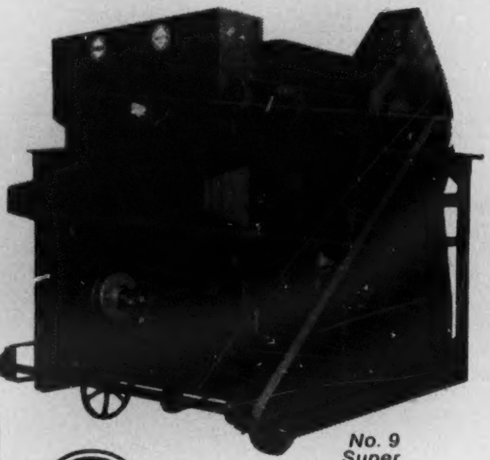
Avco New Idea Farm Equip.
J.I. Case
Deere and Company
Dickey Machine Works



The screening machine that **fights dust problems**

Highly-efficient fans aspirate airborne particles and collect them in an expansion chamber that is an integral part of the machine. The product is air-washed at both inlet and discharge points. Proved screen arrangements separate the product. Eureka Cleaners are an effective first staging in your pollution-control program...all-steel, customized construction to fit your application. As a bonus to your maintenance program, the proved oscillating Barbeau drive provides the answer. Capacities realistically rated. *Write for Catalog 101.*

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Gustafson, Inc.
Hagan Mfg. Co.
Hart-Carter Company
Mathews Co.
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Roskamp Mfg., Inc.
Sperry New Holland
Troika Processes Pvt. Ltd.
  (India)
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  Supply Company

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W.R. Grace & Co.
Helena Chemical Co.
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  Ag Chem. Div.
Mobay Chemical Corp.
Monsanto Agricultural
  Products Company
Occidental Chemical Co.
PPG Industries, Inc.
Rhone-Poulenc Inc.
Sandoz, Inc.
Shell Chemical Co.
Smith-Douglass, Inc.
Stauffer Chemical Co.
Stewart Hybrids, Inc.
TH Agriculture
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Terral-Norris Seed Co. Inc.
USS AgriChemicals
Uniroyal Chemical,
  Uniroyal, Inc.
The Upjohn Company

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Helena Chemical Co.
Kalo Ag Chemicals, Inc.
Miko Inc.
The Nitragin Company, Inc.
Occidental Chemical Co.
Stewart Hybrids, Inc.
Terral-Norris Seed Co. Inc.
USS AgriChemicals
The Urbana Laboratories

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Chevron Chemical Co.
Ciba-Geigy Corp.
Diamond Shamrock Corp.
E.I. duPont
  de Nemours & Co.
W.R. Grace & Co.
Gustafson, Inc.
Helena Chemicals Co.
Mobay Chemical Corp.
Monsanto Co.
Occidental Chemical Co.
Sandoz, Inc.
Shell Chemical Co.
Stauffer Chemical Co.
TH Agriculture
  & Nutrition Co., Inc.
Terral-Norris Seed Co. Inc.
USS Agri-Chemicals

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  Trade Corporation
Gustafson, Inc.
Roskamp Mfg., Inc.

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Occidental Chemical Co.
Smith-Douglass, Inc.
Westvaco Corporation

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DuMond Company, Inc.
Du-Val Industrial Foreign
  Trade Corporation
Fairbanks Weighing Div.,
  Colt Industries
Hagan Mfg. Co.
Howe Richardson
  Scale Co.
Revere Corp. of America
Troika Processes Pvt. Ltd.
  (India)

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Deere and Company
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  Trade Corporation
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George A. Rolfes Company
Shannon Tractor Co., Inc.

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Webco Tank, Inc.

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  Control Division
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George A. Rolfes Company

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  Trade Corporation
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Mathews Co.

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Alpine American Corp.
Arizona Testing Lab
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Barrow Agee Laboratories
Chem-Staat Laboratories, Inc.
The Chester Engineers
Curtis and Tompkins, Ltd.
Deep South Labs, Inc.
Fox Testing Laboratory
Geo. W. Gooch Laboratories, Ltd.
Hahn Laboratories
Industrial Laboratories
Ingman Laboratories, Inc.
Iowa Testing Laboratories Inc.
Jennings Laboratories Inc.
Laucks Testing Laboratories Inc.
Law & Co.
Morning Star Labs Inc.
New Jersey Feed Laboratory, Inc.
POS Pilot Plant Corporation
Pan American Laboratories, Inc.
Pattison's Laboratories, Inc.
Pope Testing Laboratories Inc.
SGS Control Services Inc.
Southwell Laboratory
Southwestern Laboratories
Thionville Inspetora de Cargas e Analises Ltda. (Brazil)
Thionville Laboratories Inc.
The Twining Laboratories Inc.
Woodson-Tenent Laboratories

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Brockman & Associates International
B.V. Commissiehandel v/h Julius Van Roosendaal (Netherlands)
Food Ingredients Inc.

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The Austin Co.
CAP, Inc.
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Dravo Engineers & Constructors
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Feeco International, Inc.
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Hagan Mfg. Co.
Industry General Corp.
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Davy McKee Corporation
Moorhead Machinery and Boiler Company
Newell Machinery Co., Inc.
PSI Process Systems, Inc.
Rust Engineering Co.
Soypro International, Inc.

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CAP, Inc.
The Cambrian Engineering Group Limited (Canada)
Crest Products Inc.
Damman-Croes SA (Belgium)
Desarrollo Industrial Ings. S.A. (Mexico)
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Globe Engineering Co.
H.L.S. Ltd. (Israel)
International Foundation for Agricultural Development
Charles Isdale & Associates, Inc.
Peter Kalustian Assoc. Inc.
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
N. Hunt Moore & Assoc., Inc.
Moorhead Machinery and Boiler Co.
Myers Engineers
Neumunz Inc.
Newell Machinery Co., Inc.
Oleaginosas Espanolas, SA (Spain)
PSI Process Systems, Inc.
Dennis E. Roby & Associates Inc.
Rust Engineering Co.
The Soyfoods Center
Soypro International, Inc.
Wurster & Sanger Inc.

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Brockman & Associates International

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EMI Corporation
Experience, Incorporated
Food Ingredients Inc.
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
H.L.S. Ltd. (Israel)
Industrial Commodity Corp.
International Foundation for Agricultural Development
Peter Kalustian Assoc. Inc.
Navimpex Sarl
Neumunz Inc.
Oleaginosas Espanolas, SA (Spain)
PSI Process Systems, Inc.
C. W. Randell, Inc.
Dennis E. Roby & Associates Inc.
The Soyfoods Center
Soypro International, Inc.

PLANT LAYOUT

Alfa-Laval AB (Sweden)
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The Cambrian Engineering Group Limited (Canada)
Crest Products, Inc.
Crown Iron Works Co.
Desarrollo Industrial Ings. S.A. (Mexico)
Diktic Inc.
Du-Val Industrial Foreign Trade Corporation
EMI Corporation
Experience, Incorporated
Food Ingredients Inc.
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Globe Engineering Co.
H.L.S. Ltd. (Israel)
Industry General Corp.
International Foundation for Agricultural Development
Charles Isdale & Associates, Inc.
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N. Hunt Moore & Assoc., Inc.
Myers Engineers
Navimpex Sarl
Neumunz Inc.
Newell Machinery Co., Inc.
Oleaginosas Espanolas, SA (Spain)
PSI Process Systems, Inc.
Dennis E. Roby & Associates Inc.
Rust Engineering Co.
The Soyfoods Center
Soypro International, Inc.
Thai Theparos Factory R.O.P. (Thailand)
Wurster & Sanger

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The Soyfoods Center

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Distillation Products Ind.
Henkel Corporation

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Buhler Brothers Ltd. (Switzerland)
CAP, Inc.
The Chester Engineers
Crest Products Inc.
Crown Iron Works Co.
Dabney-Hoover Supply Co. Inc.
Damman-Croes SA (Belgium)
De Smet Corporation - Domestic & Foreign Offices
Desarrollo Industrial Ings. S.A. (Mexico)
Diktic Inc.
Do-Well Oil Plants Private Limited (India)
Dravo Engineers & Constructors
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French Oil Mill Machinery Company
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Globe Engineering Co.
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Industrial Laboratories
Industry General Corp.
International Foundation for Agricultural Development
Charles Isdale & Associates, Inc.
Peter Kalustian Assoc. Inc.
Kappele, Wright & MacLeod Ltd. Inc.
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Davy McKee Corporation
N. Hunt Moore & Assoc., Inc.
Moorhead Machinery and Boiler Co.
Myers Engineers
Neumunz Inc.
Newell Machinery Co., Inc.
Oil Dri Corporation of America
Oleaginosas Espanolas, SA (Spain)
PSI Process Systems, Inc.
Dennis E. Roby & Associates Inc.
Rust Engineering Co.
Soypro International, Inc.
The Twining Laboratories Inc.
Wurster & Sanger

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Houston Public Grain Elevator
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Port of Lake Charles

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(Answer back HARTZSEED STGT)

Port of New Orleans
Southland Oil Terminal Company

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W.L. Richeson & Sons, Inc.
Shipco Inc.
Thionville Laboratories Inc.

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Paul A. Boulo Inc.
Brockman & Associates International
Curtis and Tompkins, Ltd.
Industrial Laboratories
Laucks Testing Laboratories Inc.
SGS Control Services Inc.
Thionville Inspetora de Cargas e Analises Ltda. (Brazil)
Thionville Laboratories Inc.
Thionville Surveying Company (Netherlands)
Thionville Surveying GmbH (Fed. Rep. of Germany)

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Damman-Croes SA (Belgium)
French Oil Mill Machinery Company
Metal Products International, Inc.
Modern Process Equipment Inc.
N. Hunt Moore & Assoc., Inc.
Precision Roll Grinders, Inc.
Roskamp Mfg., Inc.
Twin City Machine Co., Inc.

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Commodity News Services
Grain Instant News
Reuters

NEWS SERVICES, PUBLICATIONS

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ISTA Mielke & Co.
The Soyfoods Center

SEED SUPPLIERS

Agrigenetics Corp., Private Label Div.
Asgrow Seed Company
Bellatti Soybeans
Coker's Pedigreed Seed Co.
Country Brand Seeds, Inc.
Dairyland Seed Co., Inc.
Delta and Pine Land Co.
Fazenda Boa Fe (Brazil)
Jacob Hartz Seed Co., Inc.
Helena Chemical Co.
Midwest Soya International, Inc.
Miko Inc.
North American Plant Breeders
Northrup King Co.
Pfizer Genetics
Proseed Inc.
Ring Around Products, Inc.
Ruff's Seed Farms
Stewart Hybrids, Inc.
Terral-Norris Seed Co. Inc.
The Upjohn Company
Wilken Seed Grains Inc.

SOYBEAN BREEDERS

Agrigenetics Corp., Private Label Div.
Asgrow Seed Company
Bellatti Soybeans
Coker's Pedigreed Seed Co.
Dairyland Seed Co., Inc.
Delta and Pine Land Co.
Jacob Hartz Seed Co. Inc.
Helena Chemical Co.
Midwest Oilseeds, Inc.
North American Plant Breeders
Northrup King Co.
Pfizer Genetics
Pioneer Hi-Bred International, Inc. - Plant Breeding Division
Ring Around Products, Inc.
Seedmakers Inc.
Soybean Research Foundation, Inc.
V.R. Seeds, Inc.
Wilken Seed Grains Inc.

TANK & COVERED HOPPER CARS

Pullman Leasing
United States Rail Services, Inc.

TANK & COVERED HOPPER CAR COVERS

Proform Inc.

TRANSPORTATION

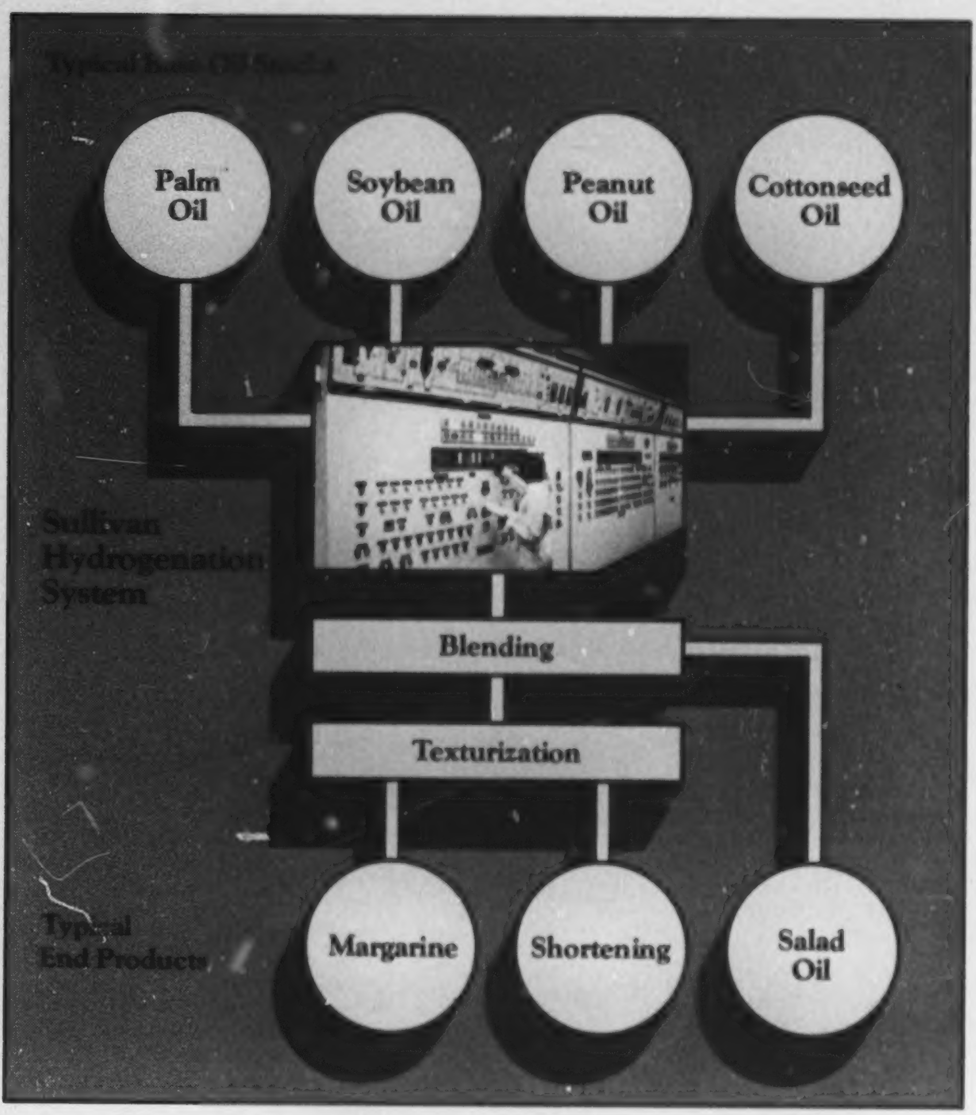
Alcoa Steamship Co. Inc.
Alfa-Laval AB (Sweden)
American Bulk Transport Co.
Chessie Systems
Lykes Bros. Steamship Co., Inc.
Thionville Surveying Company (Netherlands)
Thionville Surveying GmbH (Fed. Rep. of Germany)
Western-Commercial Transport, Inc.

WEATHER SERVICES

Commodity News Services, Inc.
Weather Trends, Inc.

WEIGHING & SURVEYS

Charles V. Bacon Inc.
Curtis and Tompkins, Ltd.
Fairbanks Weighing Div., Colt Industries
Laucks Testing Laboratories Inc.
Revere Corp. of America
SGS Control Services Inc.
Thionville Inspetora de Cargas e Analises Ltda. (Brazil)
Thionville Laboratories Inc.
Thionville Surveying Company (Netherlands)


Typical Base Oil Stocks
Palm Oil
Soybean Oil
Peanut Oil
Cottonseed Oil
Sullivan Hydrogenation System
Blending
Texturization
Typical End Products
Margarine
Shortening
Salad Oil

ALFA-LAVAL

Sullivan Systems, Inc.
A Subsidiary of Alfa-Laval, Inc.
900 Larkspur Landing Circle
Suite 100
Larkspur, CA 94939
Telephone: (415) 461-7880

manufacturers & suppliers guide

A

A&L PLAINS AGRICULTURAL LABORATORIES
302-34th St., P.O. Box 1590, Lubbock, TX 79408, Ph. 806-763-4278.
CONTACT PERSON: Arthur Carnrick
SERVICES UNDER: Commercial Services

AEROGLIDE CORP.
7100 Hillsborough Road, Raleigh, NC 27611, Ph. 919-851-2000; TLX: 579421.
CONTACT PERSON: Hal E. Bland
PRODUCTS UNDER: Commercial Equipment & Supplies

AGRI SCIENCE LABORATORIES, INC.
16633 Valley View Ave., Cerritos, CA 90701, Ph. 213-926-5525.
CONTACT PERSON: Kenneth P. Stoub
SERVICES UNDER: Commercial Services

AGRICULTURAL LABORATORIES
1145 Chesapeake Ave.,P.O. Box 12567, Columbus, OH 43212, Ph. 614-488-0736.
CONTACT PERSON: Darrell Walk
PRODUCTS UNDER: Farm Equip. & Supplies

AGRIGENETICS CORP.
PRIVATE LABEL DIV.
Box M, Plymouth, IN 46563, Ph. 219-936-2193.
CONTACT PERSON: John Gerard
SERVICES UNDER: Commercial Services

AIR-TECH INDUSTRIES, INC.
85 Madison Circle Dr., East Rutherford, NJ 07073, Ph. 201-460-9730; TLX: 133524 (AIRTECH ERFD).
CONTACT PERSON: Alfred L. Hollender
PRODUCTS UNDER: Commercial Equipment & Supplies

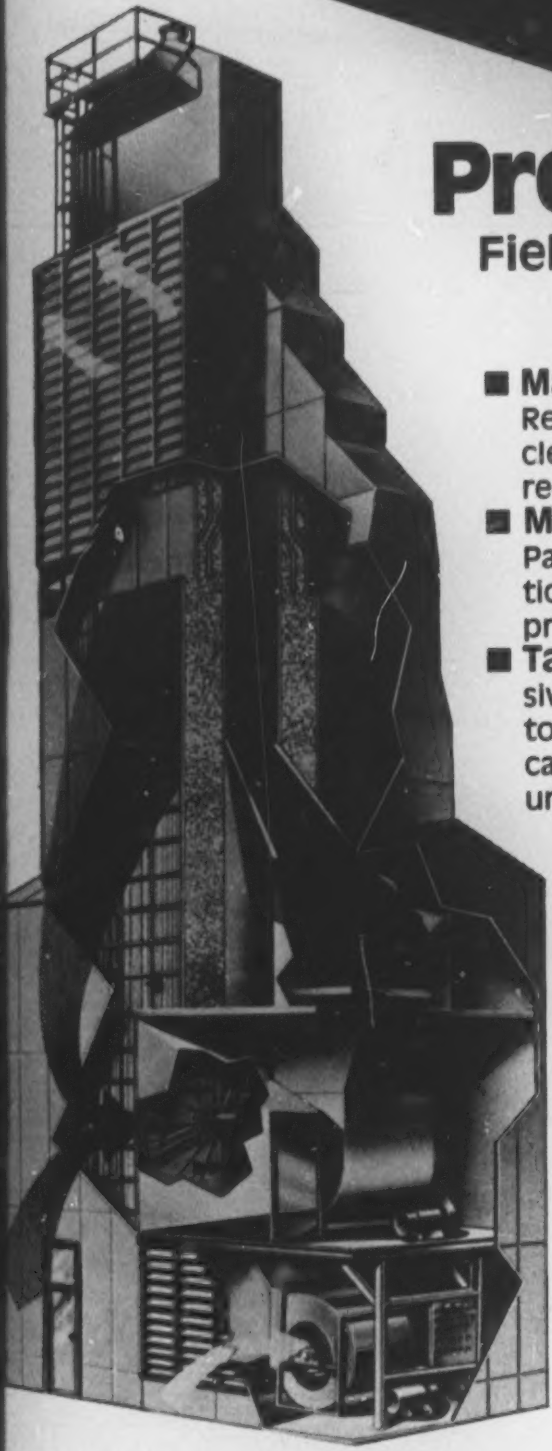
ALCOA STEAMSHIP COMPANY, INC.
One World Trade Center, Room 8151, New York, NY 10048, Ph. 212-775-1177.
CONTACT PERSON: John Crowe, V.P.
SERVICES UNDER: Commercial Services

THE ALDON COMPANY
3410 Sunset Ave., Waukegan, IL 60087, Ph. 312-623-8800.
CONTACT PERSON: R.V. Switzer, Gen. Mgr.
PRODUCTS UNDER: Commercial Equipment & Supplies

ALFA-LAVAL AB
Box 500, 14700 Tumba, Sweden, Ph. +46-753-65000; TLX: 10260, 10261 & 10923; TELEGRAMS: Alfa-Laval Tumba.
CONTACT PERSON: Publicity Department
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

ALLIED CHEMICAL
P.O. Box 1000R, Morristown, NJ 07960, Ph. 201-455-2000; TWX: 7109867482.
CONTACT PERSON: John C. Thieman
PRODUCTS UNDER: Farm Equip. & Supplies

ALLIS-CHALMERS CORP.
P.O. Box 512, Milwaukee, WI 53201, Ph. 414-475-4136; TLX: 269441 (ALISCHAWLIS); TWX: 9102623444 (ALLISCHALMIL).
CONTACT PERSON: Bill Anderson
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies



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CONTACT PERSON: David Hurwitz, Sls. Mgr.
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

AMERICAN BULK TRANSPORT CO.
P.O. Box 2387, Kansas City, MO 66110, Ph. 913-321-1234.
CONTACT PERSON: W.J. O'Neill
SERVICES UNDER: Commercial Services

AMERICAN DRYING SYSTEMS, INC.
1135 N.W. 159th Dr., Miami, FL 33169-5880, Ph. 305-625-2451.
CONTACT PERSON: James E. Thompson
PRODUCTS UNDER: Commercial Equipment & Supplies

AMERICAN DRYNAMICS INC.
1913 Production Drive, Louisville, KY 40299, Ph. 502-499-6500.
CONTACT PERSON: E.D. Curtis, T.L. Willis or D. Curtis
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

AMERICAN FARM EQUIPMENT CO.
1597 Phoenix Blvd., Suite 5, Atlanta, GA 30349, Ph. 404-996-4570.
CONTACT PERSON: Dan Alms, V.P.
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

AMERICAN LEWA, INC.
11 Mercer Rd., Natick, MA 01760, Ph. 617-653-0229; TLX: 94-8420 (AMLEWA NTIK).
CONTACT PERSON: Wolfgang H. Gellrich
PRODUCTS UNDER: Commercial Equipment & Supplies

LA AMERICANA GRASAS Y ACEITES COMESTIBLES, S.A.
Carrera 1B No. 47-12, Cali, Colombia, Ph. 441021; TLX: 055706.
CONTACT PERSON: Luis Enrique Umana Rojas
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

ANDERSON INTERNATIONAL
6200 Harvard Ave., Cleveland, OH 44105, Ph. 216-641-1112; TLX: 98-0259 (ANDERSON STU).
CONTACT PERSON: Hans Strop, V.P.
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

ARIZONA TESTING LAB
817 W. Madison St., Phoenix, AZ 85007, Ph. 602-254-6181.
SERVICES UNDER: Commercial Services

ASGROW SEED COMPANY
The Upjohn Company, Kalamazoo, MI 49001, Ph. 616-385-6609; TLX: 224488.
CONTACT PERSON: Leo Zanoni, PR Assoc.
SERVICES UNDER: Commercial Services

THE AUSTIN CO.
Process Div., 2001 Rand Rd., Des Plaines, IL 60016, Ph. 312-694-4300; TWX: 910-233-0893.
CONTACT PERSON: S.A. Brown
SERVICES UNDER: Commercial Services

AVCO NEW IDEA FARM EQUIPMENT
420 S. First St., Coldwater, OH 45828, Ph. 419-678-5311.
CONTACT PERSON: Richard A. Hines
PRODUCTS UNDER: Farm Equip. & Supplies

B

BASF WYANDOTTE
100 Cherry Hill Rd., Parsippany, NJ 07054, Ph. 201-263-3400.
CONTACT PERSON: Cust. Serv. Mgr.-Ag. Chem.
PRODUCTS UNDER: Farm Equip. & Supplies

BFC CHEMICALS, INC.
4311 Lancaster Pike, P.O. Box 2867 Wilmington, DE 19805, Ph. 302-575-7850; TLX: 853479.
CONTACT PERSON: George E. Jones, Dir. Communications
PRODUCTS UNDER: Farm Equip. & Supplies

CHARLES V. BACON INC.
730 Barataria Blvd., Marrero, LA 70073, Ph. 504-347-1468; TLX: 810-951-5260 (CHARBACON MARRERO); Offices and labs also in Chicago, IL; Houston, TX; & Jersey City, NJ.
CONTACT PERSON: Carl J. Maio, Pres.
SERVICES UNDER: Commercial Services

BARROW AGEE LABORATORIES
405 Saturn Drive, Memphis, TN 38101, Ph. 901-332-1590.
CONTACT PERSON: Lynn Hawkins
PRODUCTS & SERVICES UNDER: Commercial Equipment & Supplies; Commercial Services

BAUERMEISTER, INC.
3951 Senator St., P.O. Box 181090, Memphis, TN 38118, Ph. 901-363-0921; TLX: 53890 (HUNTMOORE MFS).
CONTACT PERSON: Jack G. Moore
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment; Commercial Services

HERMANN BAUERMEISTER MASCHINENFABRIK GmbH
Postfach 50 01 60, Friedensallee 44, 2000 Hamburg 50, Fed. Rep. of Germany, Ph. 40/39-11-96; TLX: 213452 (BMSTR D).
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

BAZOOKA GRAIN MOVING SYSTEMS
P.O. Box 265, Assaria, KS 67416, Ph. 913-667-5505.
CONTACT PERSON: Dennis Katzenmeier, Adv. Mgr.

PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

BEAN MACHINES INC.
P.O. Box 76, Bodega, CA 94922, Ph. 707-876-3341.
CONTACT PERSON: Larry Needleman
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

BELLATTI SOYBEANS
Mt. Pulaski, IL 62548, Ph. 217-792-5326.
CONTACT PERSON: Louis Bellatti
SERVICES UNDER: Commercial Services

BENDER-ROSS EQUIPMENT CO. INC.
4504 Cuming St., Omaha, NE 68132, Ph. 402-553-7342.
CONTACT PERSON: Bob Reichstadt, Gen.Mgr.
PRODUCTS UNDER: Commercial Equipment & Supplies

BERICO INDUSTRIES
Box 12285, Overland Park, KS 66212, Ph. 913-341-8660; TLX: 42-41-42 (BERICOIND OLPK).
CONTACT PERSON: Jack Bussell, V.P.
PRODUCTS UNDER: Commercial Equipment & Supplies

BEST-WAY, INC.
Box S, Clear Lake, IA 50428, Ph. 515-357-6155.
CONTACT PERSON: Stan Boley
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

BINDICATOR COMPANY
1915 Dove St., P.O. Box 9, Port Huron, MI 48060, Ph. 313-987-2700; TWX: 810-231-5261 (BINDCATOR PTHU).
CONTACT PERSON: J.A. Oles
PRODUCTS UNDER: Commercial Equipment & Supplies

BLOUNT/FERRELL-ROSS
1621 Wheeler St., Saginaw, MI 48602, TLX: 227-421 (CLIPPER/SGW).
CONTACT PERSON: William W. Wallace
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

BLOUNT/MIX-MILL
P.O. Box 256, Bluffton, IN 46714, Ph. 219-824-3400.
CONTACT PERSON: Dewey D. Randall
PRODUCTS UNDER: Commercial Equipment & Supplies

BORDEN INC., CHEMICAL DIV.
Smith Douglass, 5100 E. Virginia Beach Blvd., P.O. Box 419, Norfolk, VA 23501, Ph. 804-461-7200; Other locations: Smyrna, DE; Streator, IL; Holland, Riga and Saginaw, MI; Kinston and Wilmington, NC; Sidney, OH.
CONTACT PERSON: Roy W. Brun, V.P.
PRODUCTS UNDER: Farm Equip. & Supplies

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CONTACT PERSON: Ross Brian, Pres.
PRODUCTS AND SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

BROCKMAN & ASSOCIATES INTERNATIONAL
5309 Whitesburg Dr. S., Huntsville, AL 35802, Ph. 205-883-1972.
CONTACT PERSON: Leonard Brockman, Sr., or Leonard Brockman, Jr.
SERVICES UNDER: Commercial Services

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EMERSON ELECTRIC CO.
P.O. Box 687, Maysville, KY 41056, Ph. 606-564-2011; TLX: 21-8498 (BRWMG MFG MAYS).
CONTACT PERSON: Steve Donovan, Dir. Marketing Services
PRODUCTS UNDER: Commercial Equipment & Supplies

BUHLER BROTHERS LTD.
Uzwil, Switzerland, CH-9240, Ph. 073-50-11-11; TLX: 883-131 (GBU CH).
CONTACT PERSON: W. Fetzer, Dept. DM
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

BUHLER-MIAG, INC.
P.O. Box 9497, Minneapolis, MN 55440, Ph. 612-545-1401; TLX: 29-0445.
CONTACT PERSON: Hans Stricker
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

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C

CAP, INC.
(CHEMICAL AGRICULTURAL PROCESSES)
P.O. Box 309, Mt. Zion, IL 62549, Ph. 217-864-5616.
CONTACT PERSON: E.E. Petty or R.E. Nisbet
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

CE BAUER
P.O. Box 968, Springfield, OH 45501, Ph. 513-390-3400; TLX: 020-5411 (BAUER BROS SPI).
CONTACT PERSON: G.L. Stempfly
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

CEA CARTER-DAY CO.
500-73rd Ave. N.E., Minneapolis, MN 55432, Ph. 612-571-1000; TLX: 29-0684.
CONTACT PERSON: K.S. Fairburn
PRODUCTS UNDER: Commercial Equipment & Supplies

CVC PRODUCTS
525 Lee Rd., Box 1886, Rochester, NY 14603, Ph. 716-458-2550; TLX: 97-8269.
CONTACT PERSON: Christine Whitman
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

CALIFORNIA PELLET MILL CO.
1114 E. Wabash Ave., Crawfordsville, IN 47933, Ph. 317-362-2600.
CONTACT PERSON: Roy A. Robinson
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CONTACT PERSON: Bert L. Major
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CAMBRIAN ENGINEERING GROUP LIMITED
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CONTACT PERSON: Peter Sleggs
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

CARGILL AGRICOLA S.A.
Rua Olavo Bilac 157, Sao Paulo, Brazil 04671, Ph. 011.5488122; TLX: 011.21268.
CONTACT PERSON: Hercules Migliacci, Adm. Mgr.
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies.

J.I. CASE COMPANY
700 State St., Racine, WI 53404, Ph. 414-636-6869.
PRODUCTS UNDER: Farm Equip. & Supplies

THE CHANTLAND COMPANY
P.O. Drawer A, Humboldt, IA 50548, Ph. 515-332-4040; TWX: 910-523-6942.
CONTACT PERSON: Merle Larson, Mgr., Material Handling Dept.
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

CHARTER INTERNATIONAL OIL CO.
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CONTACT PERSON: Alfred G. Youens
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

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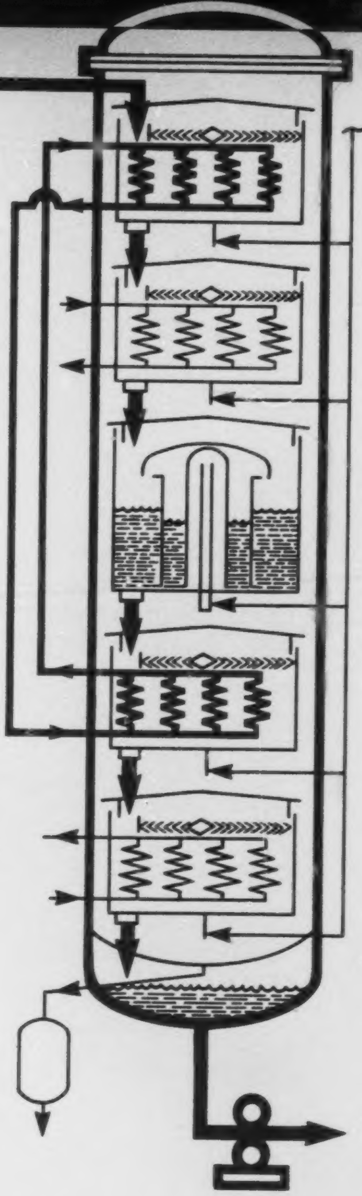

CHEM-STAAT LABORATORIES, INC.
2008 Sergeant, Joplin, MO 64801, Ph. 417-781-2666.
CONTACT PERSON: Garrett Staat
SERVICES UNDER: Commercial Services

CHEMETRON PROCESS EQUIPMENT INC.
P.O. Box 35600, Louisville, KY 40232, Ph. 502-491-4310; TLX: 20-4283 (VOTATOR LVL).
CONTACT PERSON: Calvin T. Zehnder
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

CHESSIE SYSTEM
C&O/B&O/WM Railroads, CSX Corp., Baltimore, MD 21201, Ph. 301-237-2727.
CONTACT PERSON: Jay R. Angle, Mgr. Food & Grain
SERVICES UNDER: Commercial Services

THE CHESTER ENGINEERS
845 Fourth Ave., Coraopolis, PA 15108, Ph. 412-262-1035; TLX: 866-480 (MESTA PGH).
CONTACT PERSON: Leon E. Langford, Dir. of Business Development
SERVICES UNDER: Commercial Services

CHEVRON CHEMICAL COMPANY
575 Market St., San Francisco, CA 94105, Ph. 415-894-3043.
CONTACT PERSON: L.H. Sutherland
PRODUCTS UNDER: Farm Equip. & Supplies

CHICAGO EASTERN CORPORATION
200 N. Prospect St., Marengo, IL 60152, Ph. 815-568-7264.
CONTACT PERSON: Keith McLaughlin, Gen. Sales Mgr.
PRODUCTS UNDER: Commercial Equipment & Supplies

CHIPMAN CHEMICALS INC.
P.O. Box 718, River Rouge, MI 48218, Ph. 313-842-6200 or 416-643-4123; TLX: 061-8631.
CONTACT PERSON: J.S. Gilmore or Georgia Wasmund
PRODUCTS UNDER: Farm Equip. & Supplies

CIBA-GEIGY CORPORATION
Agricultural Div., P.O. Box 18300, Greensboro, NC 27419, Ph. 919-292-7100.
CONTACT PERSON: G.D. Ragland
PRODUCTS UNDER: Farm Equip. & Supplies

CODEMA, INC.
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CONTACT PERSON: Garber Trambley
PRODUCTS UNDER: Commercial Equipment & Supplies

COROIL, C.A.
Avenida Lisboa, Quinta Costa Brava, La California Norte, Caracas, Miranda, Venezuela 61313, Ph. (58) 21-52-24 and 21-84-35; TLX: 24946 (COROI VC).
CONTACT PERSON: Antonio Navarro Mendez
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

COSTRUZIONI MECCANICHE BERNARDINI S.p.A.
Via dei Castelli Romani, 2, Pomezia-Rome, Italy 00040, Ph. 06-9120251/52/53; TLX: 610220 (CMB I).
CONTACT PERSON: Mr. Vittorio Colucci
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

COUNTRY BRAND SEEDS, INC.
714 West First St., Cedar Falls, IA 50613.
Ph. 319-277-7202; TLX:465650.
CONTACT PERSON: James E. Dunn,Pres.
SERVICES UNDER: Commercial Services

CREASON CORRUGATING & MACHINERY CO. INC.
5844 N. Broadway, Wichita, KS 67219, Ph. 316-744-0061 or 316-744-0492.
CONTACT PERSON: Henry H. Stark
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

CREST PRODUCTS, INC.
1411 Peterson Ave., Park Ridge, IL 60068, Ph. 312-774-8391.
CONTACT PERSON: Emil A. Buelens
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services.

CRIPPEN MFG. CO., INC.
700 West End St., Alma, MI 48801, Ph. 517-463-2119.
CONTACT PERSON: Robert E. Frevert
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

CROWN IRON WORKS COMPANY
1229 Tyler St. N.E., P.O. Box 1364, Minneapolis, MN 55440, Ph. 612-781-3101; TLX: 29-0204 (CROWN MPS).
CONTACT PERSON: Glenn D. Brueske
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290 Division St., San Francisco, CA 94103, Ph. 415-861-1863; TLX: 171042 (ANALYST SFO).
CONTACT PERSON: Dr. Bruce Godfrey
SERVICES UNDER: Commercial Services

D

DABNEY-HOOVER SUPPLY CO. INC.
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CONTACT PERSON: C.W. Hoover, Jr.
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CONTACT PERSON: S.Y. Choi
SERVICES UNDER: Commercial Services

DAIRYLAND SEED COMPANY, INC.
P.O. Box 958, West Bend, WI 53095, Ph. 414-338-0163.
CONTACT PERSON: Thomas G. Strachota
SERVICES UNDER: Commercial Services

DAMMAN-CROES S.A.
Spanjestreet, 51, Roulers, Belgium, Ph. 051-20-43-43 or 031-49-47-17; TLX: 81-548.
CONTACT PERSON: Pierre De Poorter, Mgr.
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

DAVENPORT MACHINE & FOUNDRY CO.
1628 W. 4th St., P.O. Box 3339, Davenport, IA 52808, Ph. 319-322-6201; TLX: 468-466 (DAV-MACHINE DVP).
CONTACT PERSON: Frank Bialobreski
PRODUCTS UNDER: Commercial Equipment & Supplies

DAVIDSON-KENNEDY COMPANY
1090 Jefferson St. N.W., P.O. Box 93406, Atlanta, GA 30377, Ph. 404-874-4483.
CONTACT PERSON: Terre Hurst, Chief Eng.
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

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P.O. Box 460, D-6308 Butzbach, Federal Republic of Germany, Ph. 06033 831; TLX: 418 44 87.
CONTACT PERSON: M. Nikutowski, Sales Dir.
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

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CONTACT PERSON: Guy Posschelle, Atlanta, Georgia
PRODUCTS FOR ALL OFFICES UNDER: Commercial and Soy Product Processing Equipment & Supplies

DEEP SOUTH LABS, INC.
2833 W. Edgemont Ave., P.O. Box 4133, Montgomery, AL 36101, Ph. 205-288-8785.
CONTACT PERSON: Charles R. Jenkins
SERVICES UNDER: Commercial Services

DEERE AND COMPANY
John Deere Rd., Moline, IL 61265, Ph. 309-752-8000.
CONTACT PERSON: Will McCracken, PR
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

DELTA AND PINE LAND COMPANY
One Cotton Row, Scott, MS 38772, Ph. 601-742-3351; TWX: 8105911250 (COTTONSEED MFS).
CONTACT PERSON: Danny Mathews
SERVICES UNDER: Commercial Services

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P.O. Box 75-97, Mexico D.F. 07300, Ph. 754-37-88; TLX: 017-73944 (PBTVME).
CONTACT PERSON: Anacleto Gonzalez Flores
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

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Agricultural Chemicals Div., 1100 Superior Ave., Cleveland, OH 44114, Ph. 216-694-5222.
CONTACT PERSON: Edward R. Sabala, Jr., Communications Supervisor
PRODUCTS UNDER: Farm Equip. & Supplies

DICKEY-john CORPORATION
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CONTACT: Customer Relations Dept.
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

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CONTACT PERSON: Max Rose
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CONTACT PERSON: Devinder P. Malhotra, Mgr. Dir.
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

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6231 N. Pulaski Rd., Chicago, IL 60646, Ph. 312-588-2060; TWX: 910-221-5275.
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CONTACT PERSON: William A. Coombes
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CONTACT PERSON: William G. Applegate
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602 North 12th Street, St. Charles, IL 60174, Ph. 312-377-1817; TLX: 720438 (DUNBAR BVAI).
CONTACT PERSON: W. Bruce Weller
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PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

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PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

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CONTACT PERSON: Dr. William Bursch, VP
SERVICES UNDER: Commercial Services

EXTRAKTIONSTECHNIK GmbH
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PRODUCTS UNDER: Commercial Equipment & Supplies

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CONTACT PERSON: Saul Hernandez Yanez
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

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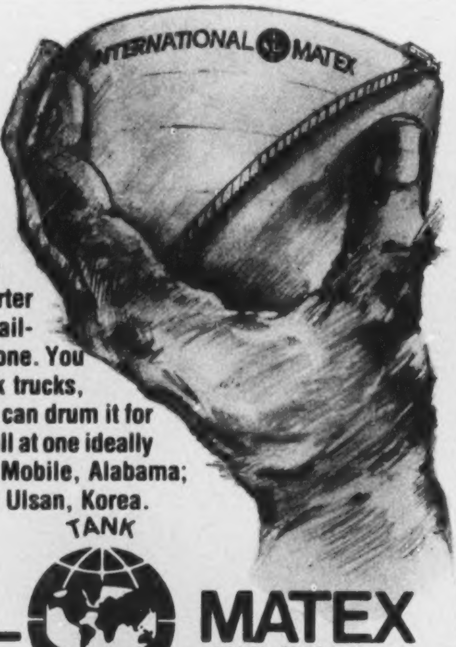

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CONTACT PERSON: Charles E. Isdale, Sr.
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1118 Cypress Ave., P.O. Box 851, Virginia Beach, VA 23451, Ph. 804-425-1498.
CONTACT PERSON: W.H. Jennings
SERVICES UNDER: Commercial Services

JENSEN MILLS
Neola, IA 51559, Ph. 712-485-2115.
CONTACT PERSON: Al Kenealy
PRODUCTS UNDER: Commercial Equipment & Supplies

K

KALO AGRICULTURAL CHEMICALS, INC.
4550 W. 109th St., Suite 222, Overland Park, MO 66211, Ph. 913-649-5525.
CONTACT PERSON: Don Wilson
PRODUCTS UNDER: Farm Equip. & Supplies

PETER KALUSTIAN ASSOCIATES, INC.
239 Reserve St., Boonton, NJ 07005, Ph. 201-334-3008.
CONTACT PERSON: Peter Kalustian, Pres.
SERVICES UNDER: Commercial Services

KAPPELE WRIGHT MACLEOD LTD. INC.
155 University Ave., Toronto, Canada M5H 3B7, Ph. 416-863-1822; TWX: 610-491-2131.
SERVICES UNDER: Commercial Services

KRUPP INDUSTRIE - UND STAHLBAU, WERK HARBURG
Seevestrasse/Bahnhofsinsel, 2100 Hamburg 90, Fed. Rep. of Germany, Ph. 040-77179-1; TLX: 217777 (HEBHD).
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

KUSS COPORATION
1331 Broad Ave., Findlay, OH 45840, Ph. 419-423-9040.
CONTACT PERSON: Harold France
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

L

LAKELAND ENGINEERING EQUIPMENT CO.
5735 Lindsay St., Minneapolis, MN 55422, Ph. 612-544-0321.
CONTACT PERSON: Eugene Froehling
PRODUCTS UNDER: Commercial Equipment & Supplies

LANGSTON BAG CO., INC.
2714 Union Ave. Ext., P.O. Box 12230, Memphis, TN 38112, Ph. 901-454-1100; TWX: 810-591-1267.
CONTACT PERSON: M.L. Duffey, VP Sales
PRODUCTS UNDER: Commercial Equipment & Supplies

LAUCKS TESTING LABORATORIES INC.
940 South Harney St., Seattle, WA 98108, Ph. 206-767-5060.
CONTACT PERSON: Jim Owens
SERVICES UNDER: Commercial Services

LAW & CO.
635 Angier Ave., Atlanta, GA 30308, Ph. 404-577-4377.
CONTACT PERSON: William W. McBee
SERVICES UNDER: Commercial Services

LEFFINGWELL DIVISION TH AGRICULTURE & NUTRITION CO., INC.
111 S. Berry St., Brea, CA 92621, Ph. 714-529-3973.
CONTACT PERSON: John R. Strom
PRODUCTS UNDER: Farm Equip. & Supplies

J.E. LOVE COMPANY
303 California St., Garfield, WA 99130, Ph. 509-635-1321.
CONTACT PERSON: Steve Shoemaker or Bill Peacock
PRODUCTS UNDER: Farm Equip. & Supplies

LURGI UMWELT UND CHEMOTECHNIK GmbH
Gervinus-Strasse 17/19, 6000 Frankfurt/Main, Fed. Rep. of Germany, Ph. 0611-1573802; TLX: 412360 (LG D).
CONTACT PERSON: Georg Penk
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

LYKES BROS. STEAMSHIP CO., INC.
Poydras Plaza, 300 Poydras St., New Orleans, LA 70130, Ph. 504-523-6611.
CONTACT PERSON: Hughes D. Drumm or Ardley R. Hanemann
SERVICES UNDER: Commercial Services

M

MCC POWERS
2942 MacArthur Blvd., Northbrook, IL 60062, Ph. 312-272-9555.

CONTACT PERSON: Jim Leman
PRODUCTS UNDER: Commercial Equipment & Supplies

M&W GEAR COMPANY
Rt. 47 S., Gibson City, IL 60936, Ph. 217-784-4261.
CONTACT PERSON: John Smith
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

MARTIN ENGINEERING COMPANY
404 W. 1st, Neponset, IL 61345, Ph. 309-594-2384; TWX: 510-390-5694 (MARTIN ENGNEPO).
CONTACT PERSON: Barry Brown, Customer Service Mgr.
PRODUCTS UNDER: Commercial Equipment & Supplies

MASIERO INDUSTRIAL S/A
Rua Sebastiao Ribeiro No. 844, Jau, Sao Paulo, Brasil, 17.200, Ph. 0146-22-5666; TLX: 0142-220 (MASI BR).
CONTACT PERSON: Dr. Jose Israel Maziero
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

MASSEY-FERGUSON
1901 Bell Ave., Des Moines, IA 50315, Ph. 515-247-2011; TLX: 478413 (MASFERG DMS A).
PRODUCTS UNDER: Farm Equip. & Supplies

MATHEWS CO.
500 Industrial Ave., Crystal Lake, IL 60014, Ph. 815-459-2210; TLX: 72-2488.
CONTACT PERSON: J. Sedlack
PRODUCTS UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies

MAYRATH INDUSTRIES, INC.
U.S. Hwy. 51 North, Compton, IL 61318, Ph. 815-497-3311.
CONTACT PERSON: Karen Menzel
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

DAVY McKEE CORPORATION
10 S. Riverside Plaza, Chicago, IL 60606, Ph. 312-454-3804; TLX: 254562.
CONTACT PERSON: Kenneth W. Becker
SERVICES UNDER: Commercial Services

METAL PRODUCTS INTERNATIONAL, INC.
North American Rep. for SHW, P.O. Box 1524, 2 Sound View Dr., Greenwich, CT 06830, Ph. 203-661-4397; TLX: 643-682 (O&S GRC).
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SERVICES UNDER: Commercial Services

MIDWEST SOYA INTERNATIONAL, INC.
814 N. 5th., Clear Lake, IA 50428, Ph. 515-357-6131.
CONTACT PERSON: Kim Pleggenkuhle
SERVICES UNDER: Commercial Services

MIKO INC.
8240 Indy Ln., Indianapolis, IN 46224, Ph. 317-271-3347.
CONTACT PERSON: Jeffrey L. Schwarz, Pres. Ag. Prod. Div.
PRODUCTS & SERVICES UNDER: Farm Equipment & Supplies; Commercial Services

MIKROPUL CORPORATION
10 Chatham Rd., Summit, NJ 07901, Ph. 201-273-6360.
CONTACT PERSON: Lewis Reimer
PRODUCTS UNDER: Commercial Equipment & Supplies

MINERAL RESEARCH & DEVELOPMENT CORP.
4 Woodlawn Green, Suite 232, Charlotte, NC 28210, Ph. 704-525-2771.
CONTACT PERSON: Grady Brafford
PRODUCTS UNDER: Farm Equipment & Supplies

MIXING EQUIPMENT CO., INC.
UNIT OF GENERAL SIGNAL
135 Mt. Read Blvd., P.O. Box 1370, Rochester, NY 14603, Ph. 716-436-5550; TLX: 97-8244 (MIXCO ROC).
CONTACT PERSON: Mort Cohen
PRODUCTS UNDER: Commercial Equipment & Supplies

MOBAY CHEMICAL CORPORATION
Agricultural Chemicals Division, P.O. Box 4913, Kansas City, MO 64120, Ph. 816-242-2000; TLX: 434784.
CONTACT PERSON: K.E. Linscott
PRODUCTS UNDER: Farm Equip. & Supplies

MODERN PROCESS EQUIPMENT INC.
3150 S. Kolin, Chicago, IL 60623, Ph. 312-254-3929.
CONTACT PERSON: Daniel Ephraim
PRODUCTS & SERVICES UNDER: Commercial Equipment & Supplies; Commercial Services

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AGRICULTURAL PRODUCTS COMPANY
800 N. Lindbergh Blvd., C3SD, St. Louis, MO 63122, Ph. 314-694-2866 or 694-3540; TLX: 44-7282; TWX: 910-763-0779.
CONTACT PERSON: J.P. Orr, PR Dir., or W. David Crosson, Mgr. PR
PRODUCTS UNDER: Farm Equip. & Supplies

N. HUNT MOORE & ASSOC., INC.
3951 Senator St., Memphis, TN 38118, Ph. 901-362-3267; TLX: 53890 (HUNTMOORE MFS).
CONTACT PERSON: Jack G. Moore, VP
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

MOORHEAD MACHINERY AND BOILER COMPANY
3477 University Ave. N.E., Minneapolis, MN 55418, Ph. 612-789-3541.
CONTACT PERSON: Sales Mgr.
PRODUCTS & SERVICES UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies; Commercial Services

MORNING STAR LABS, INC.
4480 Pacific Blvd., Vernon, CA 90058, Ph. 213-582-0981.
CONTACT PERSON: James A. Laubscher
SERVICES UNDER: Commercial Services

MOTOMCO, INC.
267 Vreeland Ave., P.O. Box 300, Paterson, NJ 07543, Ph. 201-345-6200.
CONTACT PERSON: Tony Abbate or Tom Saley
PRODUCTS UNDER: Commercial Equipment & Supplies

MULTILIFT, INC.
2000 South Cherokee St., Denver, CO 80223, Ph. 303-733-5533.
CONTACT PERSON: William D. Snare, Pres.
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

MUSKOGEE IRON WORKS, INC.
P.O. Box 188, Muskogee, OK 74401, Ph. 918-682-5521.
CONTACT PERSON: L.J. Seely, Contracting Engineer
PRODUCTS UNDER: Commercial Equipment & Supplies

MYERS ENGINEERS
P.O. Box 1493, Decatur, IL 62525, Ph. 217-429-2704.
CONTACT PERSON: Noel W. Myers
SERVICES UNDER: Commercial Services

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NADUSTCO, INC.
P.O. Box 3445, New Orleans, LA 70177, Ph. 504-949-8373 or 800-535-2670.
CONTACT PERSON: Warren Durham, VP Sales
PRODUCTS UNDER: Commercial Equipment & Supplies; Commercial Services

NAVIMPEX SARL
129 Rue de Paris, 94220 Charenton Le Pont, France, Ph. 1-368-45-96; TLX: 211934 (NAVIMPX).

CONTACT PERSON: Didier Bougeard
SERVICES UNDER: Commercial Services

NEUMUNZ INC.
117 Ft. Lee Rd., Leonia, NJ 07605, Ph. 201-592-0980; TLX: 135 170 (NEUMUNZ LEON).
CONTACT PERSON: Richard Nasser
SERVICES UNDER: Commercial Services

NEW JERSEY FEED LABORATORY, INC.
910 Pennsylvania Ave., CN06650, Trenton, NJ 08650, Ph. 609-392-8818; TWX: 510-681-8425 (NJFEEDLAB TRN).
CONTACT PERSON: Carl W. Schulze, Pres.
SERVICES UNDER: Commercial Services

NEWELL MACHINERY CO., INC.
5501 North Towne Place N.E., Cedar Rapids, IA 52402, Ph. 319-393-1610.
CONTACT PERSON: Jon W. Janda or John W. Andersen
PRODUCTS & SERVICES UNDER: Commercial Equipment & Supplies; Commercial Services

NEWPORT INSTRUMENTS LTD.
Milton Keynes, Buckinghamshire, England, Ph. 0908/613691; TLX: 825835 (NEW PIN).
CONTACT PERSON: R.F. Bailey
PRODUCTS UNDER: Commercial Equipment & Supplies

THE NITRAGIN COMPANY, INC.
1217 Ewing Ave., Clearwater, FL 33516, Ph. 813-461-6913; TWX: 810-866-0887.
CONTACT PERSON: Michael T. Butler
PRODUCTS UNDER: Farm Equip. & Supplies

NOBLE DIVISION, LEAR SIEGLER, INC.
515 N. 16th St., Sac City, IA 50583, Ph. 712-662-4731.
CONTACT PERSON: John Engelmann, VP Sales & Mktg.
PRODUCTS UNDER: Farm Equip. & Supplies

NORTH AMERICAN LABORATORY
1717 W. 10th St., Indianapolis, IN 46222, Ph. 317-635-9500.
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

NORTH AMERICAN PLANT BREEDERS
5201 Johnson Dr., Suite 520, Mission, KS 66205, Ph. 913-384-4940; TWX: 910-743-4160 (NAPB MISSION).
CONTACT PERSON: Ted Axland, Prod. Dir. Soybeans
SERVICES UNDER: Commercial Services

NORTHRUP KING CO.
P.O. Box 959, Minneapolis, MN 55440, Ph. 612-781-8011; TLX: 29-0143; Other location: P.O. Box 1127, Laurinburg, NC 28352, Ph. 919-844-3531.
CONTACT PERSON: John Edlin, Soybean Prd. Mgr. (Minneapolis); Robert Flood, Asst. Breeder (Laurinburg)
SERVICES UNDER: Commercial Services

O

OCCIDENTAL CHEMICAL COMPANY
P.O. Box 5337, Houston, TX 77012, Ph. 713-477-8811.
CONTACT PERSON: Jesse P. Wilson
PRODUCTS UNDER: Farm Equip. & Supplies

OIL-DRI CORPORATION OF AMERICA
520 N. Michigan Ave., Chicago, IL 60611, Ph. 312-321-1515 or 800-621-7191; TWX: 910-221-5280.
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PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

OLEAGINOSAS ESPANOLAS, S.A.
Nunez de Balboa, 108, Madrid-6, Spain, Ph. 91-262-96-03; TLX: 45302/46918 (OLEA E).
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OLIN CORP.
Box 991, Little Rock, AR 72203, Ph. 501-378-3727; TLX: 62826.
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CONTACT PERSON: Terry L. Quinn, Sales Mgr.
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CONTACT PERSON: Raymond F. Bailey
PRODUCTS UNDER: Commercial Equipment & Supplies

P

POS PILOT PLANT CORPORATION
U of S Campus, Saskatoon, Saskatchewan, Canada S7N 2R4, Ph. 306-665-7791; TLX: 074-2882 (POS SKN).
CONTACT PERSON: R.S. Hickingbottom, Asst. Dir., or Dr. Dennis Jones, Exec. Dir.
SERVICES UNDER: Commercial Services

PPG INDUSTRIES, INC.
One Gateway Center, Pittsburgh, PA 15222, Ph. 412-434-3873.
CONTACT PERSON: Tom Zinninger
PRODUCTS UNDER: Farm Equip. & Supplies

PSI PROCESS SYSTEMS, INC.
2930 Airways Blvd., Memphis, TN 38116, Ph. 901-345-8760.
CONTACT PERSON: R.T. Gadomski, Pres.
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

PT COMPONENTS, INC., LINK-BELT BEARING DIVISION
7601 Rockville Rd., Box 85, Indianapolis, IN 46206, Ph. 317-241-9201.
CONTACT PERSON: P.R. Olmstead
PRODUCTS UNDER: Commercial Equipment & Supplies

PACIFIC SCIENTIFIC COMPANY GARDNER/NEOTEC INSTRUMENT DIV.
2431 Linden Ln., Silver Spring, MD 20910, Ph. 301-549-7000; TLX: 89-417; INT'L. TLX: 248910.
CONTACT PERSON: Doug Evans, Prod. Mgr.
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

PAN AMERICAN LABORATORIES, INC.
5369 E. 14th St., Brownsville, TX 78521, Ph. 512-831-4266.
CONTACT PERSON: John G. Lipps Jr.
SERVICES UNDER: Commercial Services

THE PARTLOW COPORATION
Campion Road, New Hartford, NY 13413, Ph. 315-797-2222; TLX: 93-7428.
CONTACT PERSON: Eric R. Voisey
PRODUCTS UNDER: Commercial Equipment & Supplies

PATTISON'S LABORATORIES, INC.
211 E. Monroe, P.O. Box 346, Harlingen, TX 78550, Ph. 512-423-3196.
CONTACT PERSON: Kenneth J. Kalens
SERVICES UNDER: Commercial Services

PFIZER GENETICS
1000 Executive Pkwy., St. Louis, MO 63141, Ph. 314-434-9100.
CONTACT PERSON: Mike Sperry
SERVICES UNDER: Commercial Services

PHELPS INDUSTRIES, INC.
P.O. Box 1093, Little Rock, AR 72203, Ph. 501-375-1141.
CONTACT PERSON: Charles Peterson
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

PHILLIPS CHEMICAL COMPANY
2600 North Loop West, Houston, TX 77092, Ph. 713-682-6066; TWX: 910-881-5081 (YHO): Other location: Bartlesville, OK 74004.
CONTACT PERSON: W.R. Pullin
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

PIONEER HI-BRED INTERNATIONAL, INC.
Plant Breeding Div.-Soybean Breeding Dept., 1906 State, Box 854, Cedar Falls, IA 50613, Ph. 319-277-1733.
CONTACT PERSON: Dr. Clark Jennings
SERVICES UNDER: Commercial Services

PONNDORF MASCHINENFABRIK GmbH
Leipziger Strasse 374, P.O. Box 10-28-60, 3500 Kassel, Fed. Rep. of Germany, Ph. 561-51141; TLX: 99760.
CONTACT PERSON: Peter Boll
PRODUCTS UNDER: Commercial Equipment & Supplies

POPE TESTING LABORATORIES INC.
P.O. Box 903, Dallas, TX 75221, Ph. 214-742-8491.
CONTACT PERSON: Leon Hunter
SERVICES UNDER: Commercial Services

PORT OF HOUSTON AUTHORITY
P.O. Box 2562, Houston, TX 77001, Ph. 713-225-0671; TWX: 910-881-5787.
CONTACT PERSON: J.R. Curtis, Dir. Port Oper.
SERVICES UNDER: Commercial Services

PORT OF LAKE CHARLES
P.O. Box AAA, Lake Charles, LA 70602, Ph. 318-439-3661; TLX: 502449 (PORT LKCHAS LKC).
CONTACT PERSON: Louis Mosca
SERVICES UNDER: Commercial Services

PORT OF NEW ORLEANS
P.O. Box 60046, New Orleans, LA 70160, Ph. 504-522-2551; TLX: 58-7496.
CONTACT PERSON: Morris Clyde, Serv. Mgr.
SERVICES UNDER: Commercial Services

PORTABLE ELEVATOR DIVISION
920 E. Grove, Bloomington, IL 61701, Ph. 309-829-1235.
CONTACT PERSON: M.L. Moreland
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

POWER TRANSMISSION DIVISION
400 W. Wilson Bridge Rd., Worthington, OH 43085, Ph. 614-438-3384; TLX: 24-5323; TWX: 810/337-2070.
CONTACT PERSON: Dianne M. Day
PRODUCTS UNDER: Commercial Equipment & Supplies

PRATER INDUSTRIES, INC.
1515 S. 55th Ct., Chicago, IL 60650, Ph. 312-656-8500; TLX: 28-4312.
CONTACT PERSON G.R. Thomas
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

PRECISION ROLL GRINDERS, INC.
Route 2, Box 628B, Wescosville, PA 18106, Ph. 215-395-6966.
CONTACT PERSON: Terry Frick
SERVICES UNDER: Commercial Services

PROFORM INC.
7901 Xerxes Ave. S., Minneapolis, MN 55431, Ph. 612-887-1800.
CONTACT PERSON: Jim Stewart
PRODUCTS UNDER: Commercial Equipment & Supplies; Commercial Services

PROSEED INC.
236 Sugar St., P.O. Box 55, Blissfield, MI 49228, Ph. 517-486-3520.
CONTACT PERSON: Duane Bell
SERVICES UNDER: Commercial Services

PULLMAN LEASING COMPANY
200 S. Michigan Ave., Chicago, IL 60604, Ph. 312-322-7070.
CONTACT PERSON: R.E. Doyle, Dir. Mktg.
SERVICES UNDER: Commercial Services

PULVERIZING MACHINERY
DIV. OF MIKROPUL CORPORATION
10 Chatham Road, Summit, NJ 07901, Ph. 201-273-6360; TLX: 13-8157.
CONTACT PERSON: Lewis Reimer
PRODUCTS UNDER: Commercial Equipment & Supplies

Q

QUALITY CONTROL EQUIPMENT CO.
1916 Dean Ave., Des Moines, IA 50316, Ph. 515-266-2268.
CONTACT PERSON: Stan Lester
PRODUCTS UNDER: Commercial Equipment & Supplies

QUONG HOP & CO.
161 Beacon St., South San Francisco, CA 94080, Ph. 415-873-4444.
CONTACT PERSON: S. Lee or J. Miller
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

QUONSET
P.O. Box 40529, Houston, TX 77040, Ph. 713-466-2501.
CONTACT PERSON: Joe Haller
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

R

J. RAKOSKY SERVICES
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CONTACT PERSON: Dr. Joseph Rakosky
PRODUCTS UNDER: Commercial Services

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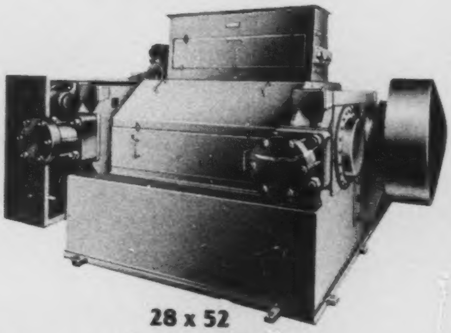

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CONTACT PERSON: Tomas Cernikovsky
SERVICES UNDER: Commercial Services

REVERE CORPORATION OF AMERICA
845 N. Colony Rd., Wallingford, CT 06492, Ph. 203-269-7701; TLX: 963482; TWX: 710-4763197 .
CONTACT PERSON: John Robinson
PRODUCTS & SERVICES UNDER: Commercial and Farm Equipment & Supplies; Commercial Services

RHINO SALES CORPORATION
620 Andrews Ave., Kewanee, IL 61443, Ph. 309-853-4461.
CONTACT PERSON: Robert B. Martin
PRODUCTS UNDER: Commercial Equipment & Supplies

RHONE-POULENC INC.
P.O. Box 125, Black Horse Lane, Monmouth Junction, NJ 08852, Ph. 201-297-0100.
CONTACT PERSON: Robin Snyder
PRODUCTS UNDER: Farm Equip. & Supplies

W.L. RICHESON & SONS, INC.
442 Canal St., New Orleans, LA 70130, Ph. 504-529-5641; TLX: 58256 (RICHESON NLN); TWX: 810-951-6318 (RICHESON NO).
CONTACT PERSON: J.R. Surgi
SERVICES UNDER: Commercial Services

RING AROUND PRODUCTS, INC.
P.O. Box 1629, Plainview, TX 79072, Ph. 806-293-2676.
CONTACT PERSON: Dr. Bill H. Davis
PRODUCTS & SERVICES UNDER: Farm Equipment & Supplies; Commercial Services

DENNIS E. ROBY & ASSOCIATES INC.
1900 E. Eldorado, P.O. Box 1425, Decatur, IL 62525, Ph. 217-429-4412.
CONTACT PERSON: Bryan Mikeworth
SERVICES UNDER: Commercial Services

GEORGE A. ROLFES COMPANY
P.O. Box 458, Boone, IA 50036, Ph. 515-432-3300; TWX: 910-520-2431 (GEO ROLFS BNOE).
CONTACT PERSON: Myron Oliver
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

JULIUS VAN ROOSENDAAL
B.V. Comissiehandel v/h JULIUS VAN ROOSENDAAL, Jacob van Campenweg 57, Rotterdam, Netherlands, Ph. 010-205955; TLX: 21496/21498/22402/22403 (JVR NL).
SERVICES UNDER: Commercial Services

ROSKAMP MFG., INC.
616 Grand Blvd., Cedar Falls, IA 50613, Ph. 319-266-1791; TLX: 465-653 (SOYP ROSK CFLS).
CONTACT PERSON: Harold Roskamp
PRODUCTS & SERVICES UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies; Commercial Services

ROTEX INC.
1230 Knowlton St., Cincinnati, OH 45201, Ph. 513-541-1236; TLX: 21-4206 (ROTEX CIN).
CONTACT PERSON: Alex C. Young, VP Mktg.
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

RUFF'S SEED FARMS
3870 Ruff Rd., Amanda, OH 43102, Ph. 614-969-2600.
CONTACT PERSON: Herbert N. Ruff, Owner
SERVICES UNDER: Commercial Services

RUST ENGINEERING CO.
P.O. Box 101, Birmingham, AL 35201, Ph. 205-254-4141; TLX: 59-61-58 (RUST ENGRG BHM).
CONTACT PERSON: Frank Dudrow
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

S

SGS CONTROL SERVICES INC.
42 Broadway, New York, NY 10004, Ph. 212-482-8700; TLX: 640308 (SUPERCO).
CONTACT PERSON: Norman A. Green or Bruce E. Palmer
SERVICES UNDER: Commercial Services

SANDOZ, INC.
480 Camino del Rio S., San Diego, CA 92108, Ph. 714-298-4343.
PRODUCTS UNDER: Farm Equip. & Supplies

SCANDURA INC.
1801 N. Tryon St., Charlotte, NC 28230, Ph. 704-334-5353; TLX: 810-621-7880 (SCANDURA CHA).
CONTACT PERSON: Jim Gann, Ind. Sales Mgr.
PRODUCTS UNDER: Commercial Equipment & Supplies

SCREW CONVEYOR CORP.
700 Hoffman St., Hammond, IN 46327, Ph. 219-931-1450; TLX: 276218 (SCREW CONV).
CONTACT PERSON: George Moore, Sales Mgr.
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

SEEDBURO EQUIP. CO.
1022 W. Jackson Blvd., Chicago, IL 60607, Ph. 312-738-3700.
CONTACT PERSON: J.T. Snader

PRODUCTS UNDER: Commercial Equipment & Supplies

SEEDMAKERS, INC.
Princeville, IL 61559, Ph. 309-385-4832.
CONTACT PERSON: Dana Stewart, Pres.
SERVICES UNDER: Commercial Services

SHANNON TRACTOR COMPANY, INC.
Highway 3 Bypass, P.O. Box 808, Yazoo City, MS 39194, Ph. 601-746-4063.
CONTACT PERSON: J.C. Shannon
PRODUCTS UNDER: Farm Equip. & Supplies

SHELL CHEMICAL COMPANY
Agricultural Chemicals, P.O. Box 3871, Houston, TX 77001, Ph. 713-241-6161.
PRODUCTS UNDER: Farm Equip. & Supplies

SHIPCO INC.
624 Gravier St., New Orleans, LA 70130, Ph. 504-581-1463; Other location: Houston, TX.
CONTACT PERSON: Merlin Paddock
SERVICES UNDER: Commercial Services

SIEGLING AMERICA INC.
130 Coolidge Ave., Englewood, NJ 07631, Ph. 201-567-6100.
CONTACT PERSON: Fred Koenig
PRODUCTS UNDER: Commercial Equipment & Supplies

SIMON-ROSEDOWNS LTD.
Cannon St., Hull, North Humberside HU2 0AD, United Kingdom, Ph. 0482-29864; TLX: 52226 (SR HULL G).
CONTACT PERSON: S. Smith, Pub. Mgr.
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

SMICO CORPORATION
500 N. MacArthur Blvd., Oklahoma City, OK 73127, Ph. 405-946-1461.
CONTACT PERSON: Ronald K. Watson, VP & Sales Mgr.
PRODUCTS UNDER: Commercial Equipment & Supplies

SMITH-DOUGLASS, INC.
P.O. Box 419, Norfolk, VA 23501, Ph. 804-853-1271.
CONTACT PERSON: B.F. Kornegay
PRODUCTS UNDER: Farm Equip. & Supplies

SOUTHLAND OIL TERMINAL COMPANY
Savannah State Docks, P.O. Box 7390, Savannah, GA 31408, Ph. 912-964-1811.
CONTACT PERSON: C. David Baker, VP
SERVICES UNDER: Commercial Services

SOUTHWELL LABORATORY
1838 S.W. 13th St., P.O. Box 25001, Oklahoma City, OK 73125, Ph. 405-232-1966 or 239-7979.
CONTACT PERSON: Joseph R. Southwell
SERVICES UNDER: Commercial Services

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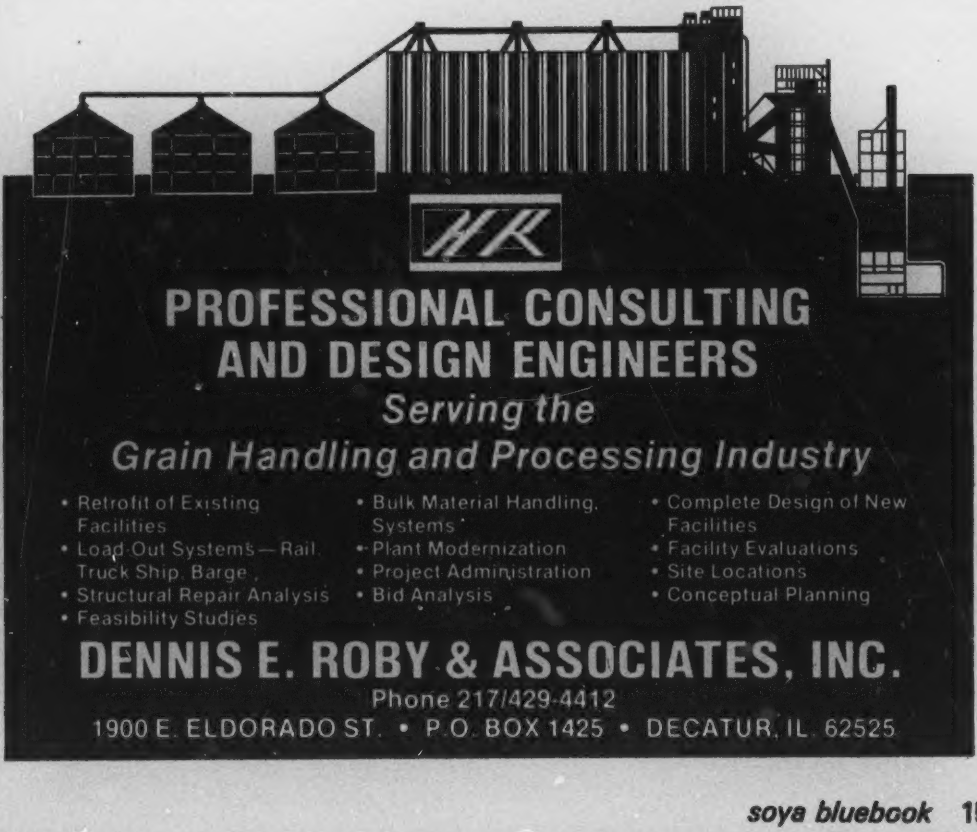
2900 Cullen St., P.O. Box 1379, Fort Worth, TX 76101, Ph. 817-332-5181.
CONTACT PERSON: D.C. Melear
SERVICES UNDER: Commercial Services



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PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

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6033 E. Bandini Blvd., Los Angeles, CA 90051, Ph. 213-726-1177; TLX: 67-4968 (SWECOLA).
CONTACT PERSON: Marvin D. Hixson
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

---

T

TH AGRICULTURE & NUTRITION CO., INC.
5220 Speaker Rd., Kansas City, KS 66110, Ph. 913-281-4100; TLX: 437146 (TH CHEM KSCK).
CONTACT PERSON: Robert DeCicco or Tom Walsh
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P.O. Box 405, Herndon, VA 22070, Ph. 703-435-3300; TLX: 90-3034 (HERNDON VA).
CONTACT PERSON: Dieter Curlis
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TECHNICON INDUSTRIAL SYSTEMS
511 Benedict Avenue, Tarrytown, NY 10591, Ph. 914-631-8000; TLX: 131416 (TECHTARY); TWX: 710-567-1220 (TECH TARY A).
CONTACT PERSON: William Bell, Mktg. Mgr.
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

TENCO HYDRO INC. (IL.)
5220 East Ave., Countryside, IL 60525, Ph. 312-482-7200.
CONTACT PERSON: David Baldwin, VP
PRODUCTS UNDER: Commercial Equipment & Supplies

TERRAL-NORRIS SEED CO. INC.
P.O. Box 826, Lake Providence, LA 71254, Ph. 318-559-2840.
CONTACT PERSON: Thomas Terral or Larry Mullen
PRODUCTS & SERVICES UNDER: Farm Equipment & Supplies; Commercial Services

TETKO, INC.
P.O. Box 183, Lancaster, NY 14086, Ph. 716-683-4050.
CONTACT PERSON: Charles Wait, Mgr.
PRODUCTS UNDER: Commercial Equipment & Supplies

THAI THEPAROS FACTORY R.O.P.
208 Moo 6 Taiban Rd., Samutprakarn, Thailand, Ph. 023950-177or 3950-391.
CONTACT PERSON: Somsak Vacharothayangul
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

THIONVILLE INSPETORA DE CARGAS E ANALISES LTDA.
Rua do Paraiso, 479, Sao Paulo, Brazil, 04111, Ph. 011-284-8131, 284-2666, 284-2677, or 288-9304; TLX: 011-25310 (TNLE).
CONTACT PERSON: Silvia Ferraz, Gen. Mgr.
SERVICES UNDER: Commercial Services

THIONVILLE LABORATORIES INC.
5440 Pepsi St., New Orleans, LA 70123, Ph. 504-733-9603; TLX: 460114 (THION UI); TWX: 810-951-5277 (THION LAB).
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SERVICES UNDER: Commercial Services

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CONTACT PERSON: Herr Rohe or Herr Barnewitz
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THOMAS CONVEYOR COMPANY
P.O. Box 2916, Fort Worth, TX 76101, Ph. 817-295-7151; TLX: 75-8274 (THOMASCONV FTW).
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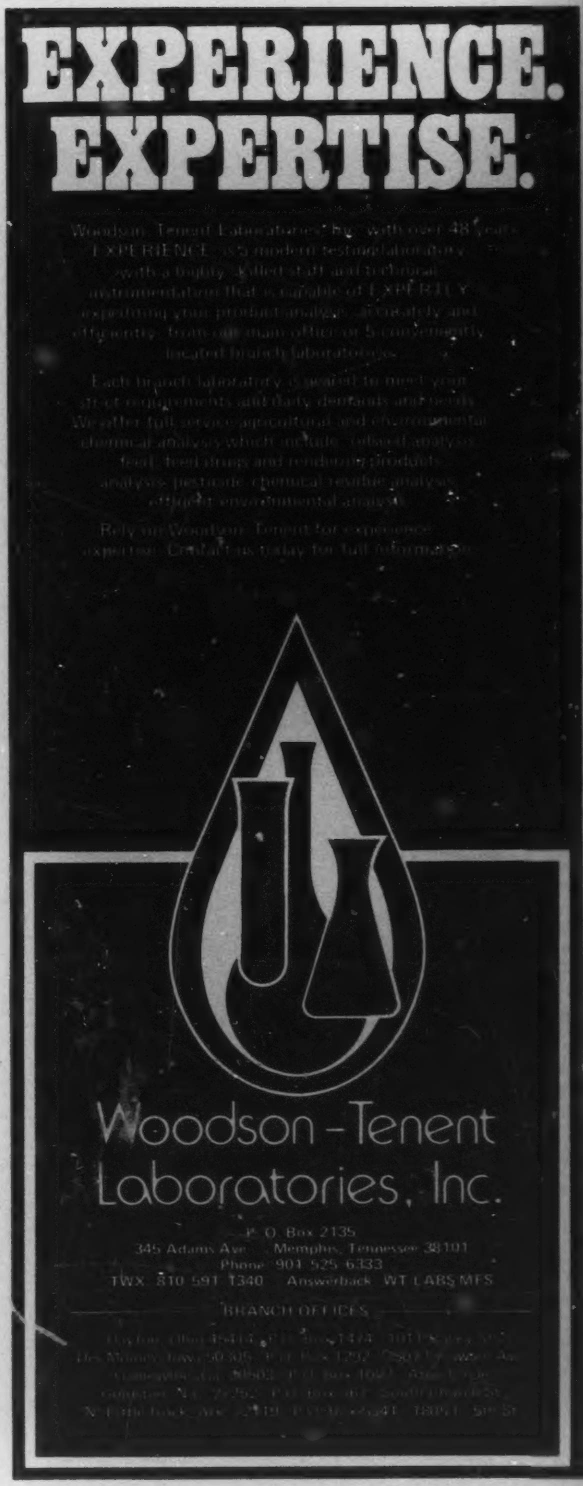
CONTACT PERSON: Alex A. Belbin
PRODUCTS UNDER: Commercial Equipment & Supplies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TRIPLE/S DYNAMICS
1031 S. Haskell Ave., Dallas, TX 75223, Ph. 214-821-9143; TLX: 730-023.
CONTACT PERSON: Bill Belous, VP, Sales, or Chan Chandler, Adv. Mgr.
PRODUCTS UNDER: Commercial Equipment & Supplies

TROIKA PROCESSES PRIVATE LTD.
607, Embassy Centre Nariman Point, Bombay, 400021, India, Ph. 234429, 234334, 234447, 234244; TLX: 5335 (TROK IN).
CONTACT PERSON: P.G. Bhandari, R.S. Jhaveri, O.P. Agrawal, or R.K. Chopra
PRODUCTS UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies

TWIN CITY MACHINE CO., INC.
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U.S. BORAX & CHEMICAL CORP.
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1900 East Golf Road, Schaumburg, IL 60195, Ph. 312-490-2500.
CONTACT PERSON: J.D. Clover
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

UNION COMERCIAL INDUSTRIAL SA
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CONTACT PERSON: Eduardo Palma Lama
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

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P.O. Box 248, Warrensburg, IL 62573, Ph. 217-672-3532; TLX: 250-135.
CONTACT PERSON: Gary Lessen, Customer Serv. Mgr.
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633 Battery St., Third Floor, San Francisco, CA 94111, Ph. 415-445-7690; TLX: 34-740; TWX: 910-372-7353.
CONTACT PERSON: Chuck Reese
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CONTACT PERSON: Bernie Jensen, Dir. Mkt.
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CONTACT PERSON: Leo J. Zanoni
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URSCHEL LABORATORIES, INC.
2503 Calumet Rd., Valparaiso, IN 46383, Ph. 219-464-4811; TLX: 258-337 (URSCHEL VALP).
CONTACT PERSON: Georgean Perry
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

V

VR SEEDS, INC.
Box M, Plymouth, IN 46563, Ph. 219-936-2193; TLX: 450188.
CONTACT PERSON: John Gerard, Pres.
SERVICES UNDER: Commercial Services

W

WEATHER TRENDS, INC.
565 5th Ave., New York, NY 10017, Ph. 212-682-4280.
CONTACT PERSON: B. Schilit
SERVICES UNDER: Commercial Services

WEBCO TANK, INC.
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PRODUCTS UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies

WENGER INTERNATIONAL INC.
2400 Pershing Rd., Suite 510, Kansas City, MO 64108, Ph. 816-221-5084; TLX: 42387 (WENGER KSC).
CONTACT PERSON: Bud Gosney
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

WERNER & PFLEIDERER CORPORATION
663 E. Crescent Ave., Ramsey, NJ 07446, Ph. 201-327-6300; TLX: 134-303.
CONTACT PERSON: Richard Ziminski
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

WERTHAN INDUSTRIES, INC.
404 James Robertson Pkwy., Nashville, TN 37219, Ph. 615-259-9331.
CONTACT PERSON: Berry Lannom
PRODUCTS UNDER: Commercial Equipment & Supplies

WESMAR INDUSTRIAL SYSTEMS DIVISION
801 Dexter Ave. N., P.O. Box C19074, Seattle, WA 98109, Ph. 206-285-2420; TLX: 329509.
CONTACT PERSON: Mike Holmes
PRODUCTS UNDER: Commercial Equipment & Supplies

WESTERN-COMMERCIAL TRANSPORT, INC.
2929 W. 5th St., P.O. Box 270, Fort Worth, TX 76101, Ph. 817-335-4821.
CONTACT PERSON: W. Harold Cole
SERVICES UNDER: Commercial Services

WESTFALIA SEPARATOR AG
Werner-Habig-Str., 4740 Oelde 1, Fed. Rep. of Germany, Ph. 02522-771; TLX: 89-474.
CONTACT PERSON: F. Sudhoff or T. Teckentrup
PRODUCT UNDER: Soy Product Processing Equipment & Supplies

WESTVACO CORPORATION
Chemical Division, Charleston Heights, SC 29405, Ph. 803-554-8350.
CONTACT PERSON: Tom McPartland
PRODUCTS UNDER: Farm Equip. & Supplies

WHEELABRATOR-FRYE, INC.
400 S. Brykit St., Mishawaka, IN 46544, Ph. 219-255-2141; TLX: 25-8424.
PRODUCTS UNDER: Commercial Equipment & Supplies

WILKEN SEED GRAINS INC.
Box 133, Pontiac, IL 61764, Ph. 815-844-3458.
CONTACT PERSON: Lloyd C. Wilken
SERVICES UNDER: Commercial Services

H.R. WILLIAMS MILL SUPPLY COMPANY
208 W. 19th St., Kansas City, MO 64108, Ph. 816-471-1511.
CONTACT PERSON: John D. Holden, VP, or George W. Holden, Pres.
PRODUCTS UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies

K.I. WILLIS CORP.
P.O. Box 687, Milan, IL 61264, Ph. 309-787-4678.
CONTACT PERSON: Tom Biehl or Todd Crompton
PRODUCTS UNDER: Commercial Equipment & Supplies

WOODSON-TENENT LABORATORIES
P.O. Box 2135, Memphis, TN 38101, Ph. 901-947-7188; TWX: 810-591-1340 (WT Labs MFS).
CONTACT PERSON: James Bassett, David Cooper or Wanda Freeman
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WURSTER & SANGER INC.
222 W. Adams St., Chicago, IL 60606, Ph. 312-977-4890; TLX: 206414 (WURSAN INC CGO).
CONTACT PERSON: Kenneth Carlson
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

Y

YEAR-A-ROUND CAB CORP.
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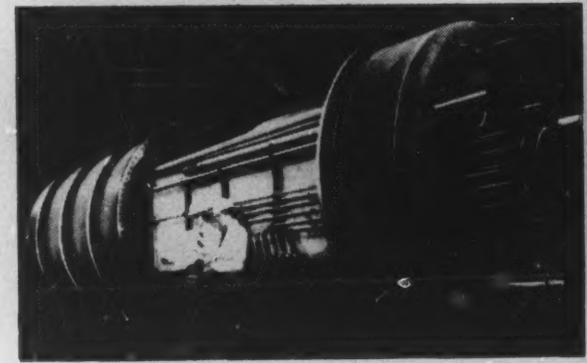

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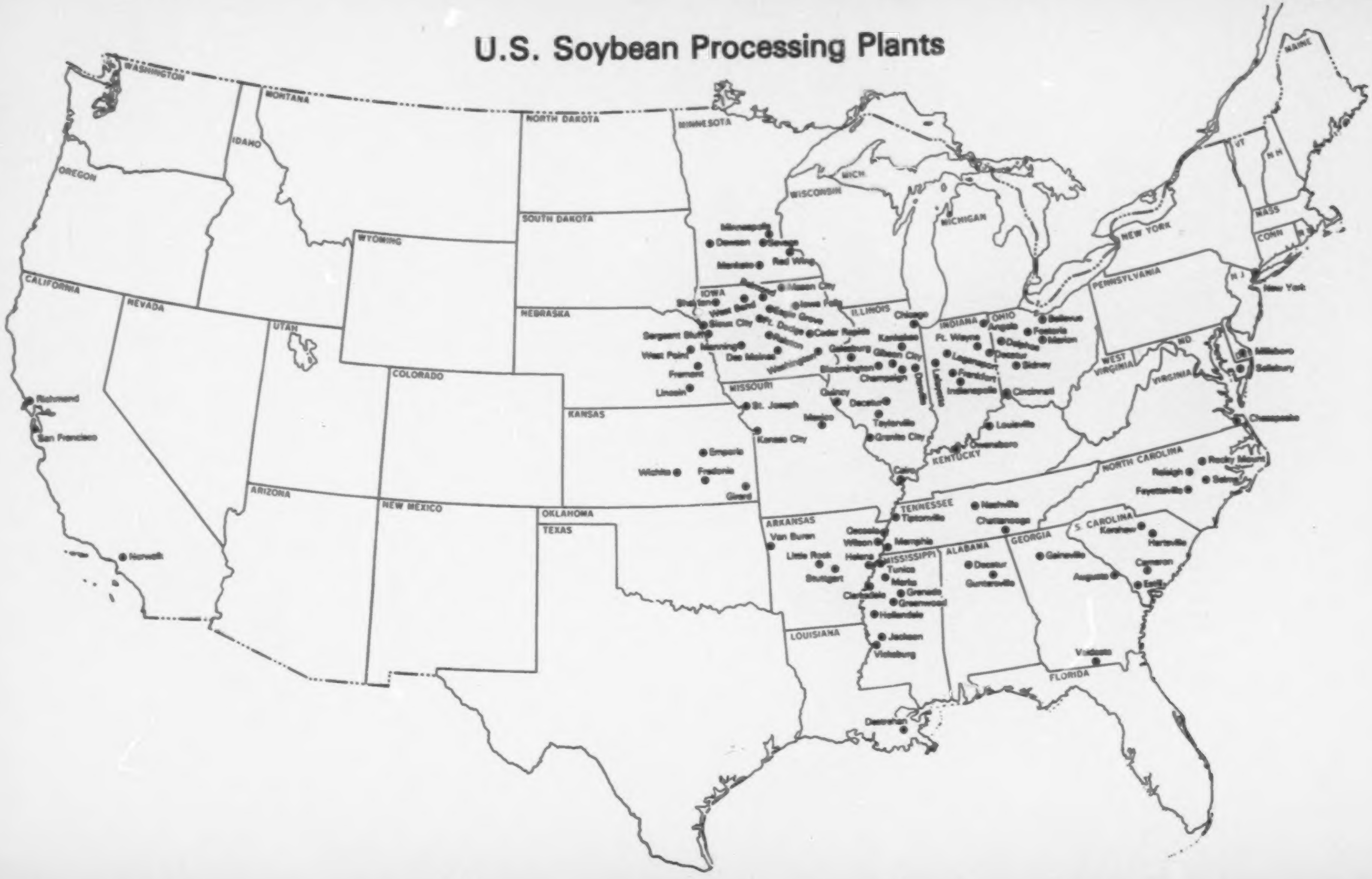
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METRIC CONVERSION TABLE

SOYBEANS

1 bu. of soybeans = 60 lbs.
1 short ton = 33.33 bu.
1 short ton = .90 metric tons
1 long ton = 37.33 bu.
1 bu. of soybeans = 10.7 lbs. of crude soy oil
1 bu. of soybeans = 47.5 lbs. of soybean meal
1 short ton of soybean meal = 42.08 bu. of soybeans
1 long ton of soybean meal = 47.13 bu. of soybeans
1 metric ton = 36.74 bu.
1 metric ton = 1,000 kilograms, 2,205 lbs.
1 metric ton of soybean meal = 46.39 bu. of soybeans
79.2% of a bu. of soybeans is manufactured into soybean meal
17.8% of a bu. of soybeans is manufactured into soy oil
3% is manufacturing loss
1 bu. of soybeans = 39 lbs. of soy flour, 20 lbs. of concentrate or 11.8 lbs. of isolates.

WORLD SOYBEAN PRODUCTION

AREA AND PRODUCTION IN SPECIFIED COUNTRIES AND THE WORLD 1976/77-1981/82[1]

Continent and Country	Area[2]						Production					
	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82[3]	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82[3]
	(In 1,000 hectares)						(In 1,000 metric tons)					
NORTH AMERICA:												
Canada	153	202	266	283	283	287	251	580	516	671	713	631
Mexico	170	300	215	380	150	340	280	470	330	680	280	600
United States[4]	19,975	23,315	25,764	28,557	27,461	26,988	35,070	48,097	50,859	61,722	48,772	55,260
SOUTH AMERICA:												
Argentina	660	1,250	1,600	2,030	1,740	2,075	1,400	2,700	3,700	3,650	3,500	4,300
Bolivia	7	19	26	35	27	35	16	18	38	44	40	60
Brazil	7,040	7,600	8,256	8,762	8,700	8,513	12,513	9,534	10,236	15,140	15,500	14,200
Chile	1	1	1	1	1	1	1	1	2	1	1	1
Colombia	57	69	71	79	44	50	103	131	146	155	89	100
Ecuador	15	17	21	21	21	26	14	19	23	30	31	39
Paraguay[5]	229	272	360	400	400	400	377	333	549	575	600	625
Peru	3	3	4	9	10	12	3	4	5	5	8	10
Uruguay	11	22	35	35	35	35	12	30	35	45	45	45
Venezuela	0	0	0	3	5	5	0	0	0	5	8	8
AFRICA:												
Egypt	7	14	34	42	35	48	11	27	79	106	92	136
Morocco	0	0	1	1	1	1	0	0	1	1	1	1
Nigeria[5]	5	5	5	5	8	8	3	3	3	3	5	5
South Africa[5]	25	25	26	28	22	22	28	37	26	40	26	26
Zimbabwe	61	79	111	127	104	138	44	70	84	98	68	97
EUROPE:												
Bulgaria	56	69	99	96	94	95	99	90	120	167	107	130
Czechoslovakia	0	0	3	5	5	5	5	11	6	5	5	5
France	2	1	3	17	8	10	2	4	4	17	14	23
Hungary	36	28	25	24	20	20	54	41	28	35	30	30
Romania	155	171	202	302	364	310	213	191	230	383	448	268
Spain	4	4	9	9	9	10	6	8	17	15	18	6
Yugoslavia	31	32	34	31	17	45	48	67	63	67	34	523

Continent and Country	Area[2] 1976/77	1977/78	1978/79	1979/80	1980/81	1981/82[3]	Production 1976/77	1977/78	1978/79	1979/80	1980/81	1981/82[3]
			(In 1,000 hectares)						(In 1,000 metric tons)			
SOVIET UNION:	762	786	815	838	864	800	480	545	634	467	525	500
ASIA:												
China:												
Mainland	6,700	6,800	7,100	7,247	7,320	7,600	6,600	7,300	7,565	7,460	7,880	8,100
Taiwan	30	30	24	19	15	15	52	41	41	32	26	20
India	190	150	275	400	500	550	150	180	220	300	450	500
Indonesia	646	663	784	726	750	790	523	617	680	642	650	700
Iran	57	42	67	58	34	50	102	86	113	95	50	80
Japan[4]	83	79	127	130	142	149	160	111	190	192	174	210
Korea, North	400	300	300	300	300	300	300	310	320	330	330	330
Korea, Republic of[5]	248	251	247	207	188	202	295	319	293	257	216	257
Philippines	15	10	8	10	13	15	11	7	6	9	10	12
Thailand[5]	110	110	140	135	140	160	114	96	100	102	105	120
Turkey	6	5	3	3	6	20	8	6	3	3	8	30
OCEANIA:												
Australia	35	50	54	57	45	45	77	73	99	82	70	73
WORLD TOTAL	37,948	42,730	47,067	51,336	49,805	50,096	59,375	72,157	77,364	93,621	80,929	87,628

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[1] Split years shown refer to years of harvest, Northern Hemisphere crops which are harvested in the first part of the split year (for example September-October 1976) and Southern Hemisphere crops which are harvested in the first part of the following year (for example March-April 1976). In this example, the split year designation would be 1976/77. [2] Figures refer to harvested areas as far as possible. [3] Estimated. [4] Hectare harvested for beans. [5] Planted area. [6] Quantities purchased by the Nigerian Marketing Board for exports.

Source: Foreign Agricultural Service, U.S. Department of Agriculture.

WORLD FATS & OILS PRODUCTION

CALCULATED PRODUCTION [1]1973-74; [2]1975-82 (IN 1,000 METRIC TONS)

	1973	1974	[3]1975-76	1976-77	1977-78	1978-79	1979-80	1980-81[4]	1981-82[5] Dec.	1981-82[5] Jan.
EDIBLE VEG. OILS										
SOYBEAN	7,588	9,542	10,168	8,838	10,854	11,696	14,374	12,223	13,673	13,464
COTTONSEED	3,111	3,168	2,767	2,812	3,182	3,011	3,193	3,206	3,504	3,503
PEANUT	2,921	3,091	3,594	3,192	3,083	3,311	3,068	2,996	3,254	3,240
SUNFLOWER	3,548	4,521	3,669	3,737	4,719	4,705	5,581	4,781	5,102	5,120
RAPESEED	2,493	2,475	2,964	2,485	2,683	3,657	3,421	3,841	4,027	4,015
SESAME	612	636	630	598	610	655	618	602	656	651
SAFFLOWER	239	210	329	217	275	326	342	257	244	242
OLIVE 1973-74[6]	1,437	1,526	1,806	1,334	1,591	1,574	1,420	1,927	1,307	1,362
CORN	309	311	408	410	460	466	512	518	525	525
TOTAL	22,258	25,479	26,335	23,623	27,457	29,401	32,017	30,351	32,292	32,122
PALM OILS 1973-74[7]										
COCONUT	2,444	2,235	3,393	3,118	3,304	2,937	3,014	3,261	3,453	3,453
PALM KERNEL	434	488	503	546	560	605	661	686	721	721
PALM	2,230	2,610	3,050	3,371	3,713	4,182	4,706	4,990	5,357	5,375
BABASSU	105	105	122	132	143	145	128	130	130	130
TOTAL	5,213	5,438	7,068	7,167	7,720	7,869	8,509	9,067	9,661	9,679
INDUSTRIAL OILS										
LINSEED	720	755	737	684	907	744	806	679	680	679
CASTOR	404	493	301	287	327	392	377	367	387	387
OITICICA	1	11	15	14	14	14	14	14	14	14
TUNG	110	96	111	100	95	101	100	90	90	90
OLIVE RES. 1973-74[8]	139	146	186	153	172	146	134	179	132	136
TOTAL	1,374	1,501	1,350	1,238	1,515	1,398	1,431	1,329	1,303	1,306
ANIMAL FATS										
BUTTER (fat cont.)	4,533	4,502	4,800	4,944	4,981	4,987	4,989	4,927	4,962	4,962
LARD	4,134	4,379	3,380	3,571	3,871	3,941	3,962	3,827	3,804	3,804
TALLOW GREASE	4,428	5,121	5,471	5,815	5,527	5,814	6,063	6,047	6,038	6,038
TOTAL	13,096	14,002	13,651	14,330	14,379	14,742	15,014	14,801	14,804	14,804
MARINE OILS										
WHALE	55	40	15	15	8	10	10	10	10	10
SPERM WHALE	125	120	82	64	58	58	58	58	58	58
FISH (inc.liver)	809	1,001	983	1,004	1,165	1,181	1,249	1,184	1,211	1,166
TOTAL	989	1,161	1,080	1,083	1,231	1,249	1,317	1,252	1,279	1,234
WORLD TOTAL	42,929	47,581	49,484	47,441	52,302	54,659	58,801	56,771	59,338	59,144

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[1] Years indicated are those in which most of given oil was produced. Includes oil equivalent of seed production. [2] Split year includes northern hemisphere crops harvested in the late months of the first year shown combined with southern hemisphere and certain northern hemisphere crops harvested in the early months of the following year. [3] Oilseed meal and oil production calculated from assumed extraction rates applied to that portion of each crop available for crushing and/or export represents potential not actual production. [4] Preliminary. [5] Forecast. [6] Excludes olive residue oil. [7] Estimated on basis of exports and other information. [8] Includes quantities of refined oil for edible purposes. Source: FOREIGN AG CIRCULAR (Jan), Commodity Programs, Foreign Agricultural Service, U.S. Department of Agriculture.

U.S. SOYBEAN PRODUCTION

Soybeans: Acreage, Yield and Production, 1925-80

	Acres planted			Acres harvested			Average yield per acre harvested		Total production	
	grown alone	inter-planted[1]	equivalent solid[2]	for beans	for hay	grazed or plowed under	for beans	for hay	for beans	for hay
Year	Thousand acres			Thousand acres			Bushels	Tons	Th. bu.	Th. tons
1925	1,539	476	1,785	415	1,175	195	11.7	1.01	4,875	1,186
1930	3,072	786	3,473	1,074	2,062	337	13.0	.94	13,929	1,938
1935	6,966	1,028	7,503	2,915	4,044	544	16.8	1.34	48,901	5,422
1940	10,487	2,589	11,782	4,807	4,819	2,156	16.2	1.34	78,045	6,450
1945	13,056	1,505	13,807	10,740	1,940	1,127	18.0	1.26	193,167	2,451
1950	15,048	1,184	15,640	13,807	963	870	21.7	1.31	299,249	1,260
1955	19,674	617	19,981	18,620	705	656	20.1	1.28	373,682	910
1960	24,440	398	24,649	23,655	449	545	23.5	1.44	555,085	646
1961	27,787	332	27,981	27,003	424	549	25.2	1.47	678,554	624
1962	28,418	290	28,593	27,608	475	514	24.2	1.37	669,186	650
1963	29,462	278	29,598	28,615	547	471	24.5	1.38	699,165	757
1964	31,721	234	31,794	30,793	531	525	22.8	1.39	700,921	—
1965	35,227	—	—	34,449	—	—	24.5	—	845,608	—
1966	37,294	—	—	36,546	—	—	25.4	—	928,481	—
1967	40,819	—	—	39,806	—	—	24.5	—	976,439	—
1968	42,265	—	—	41,391	—	—	26.7	—	1,106,958	—
1969	42,534	—	—	41,337	—	—	27.4	—	1,133,120	—
1970	43,082	—	—	42,249	—	—	26.7	—	1,127,100	—
1971	43,476	—	—	42,705	—	—	27.5	—	1,176,989	—
1972	46,886	—	—	45,683	—	—	27.8	—	1,270,630	—
1973	56,549	—	—	55,667	—	—	27.7	—	1,547,165	—
1974	52,479	—	—	51,341	—	—	23.2	—	1,214,802	—
1975	54,550	—	—	53,579	—	—	28.9	—	1,547,383	—
1976	50,226	—	—	49,358	—	—	26.1	—	1,287,560	—
1977	58,760	—	—	57,612	—	—	30.6	—	1,761,755	—
1978	64,708	—	—	63,663	—	—	29.4	—	1,868,754	—
1979	71,632	—	—	70,566	—	—	32.1	—	2,267,901	—
1980	70,087	—	—	67,856	—	—	26.4	—	1,792,062	—
1981[3]	68,000	—	—	66,688	—	—	30.4	—	2,030,452	—

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[1] Grown with other crops. [2] Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). [3] Preliminary.

Source: CROP PRODUCTION SUMMARY; Economics and Statistics Service.

U.S. SOYBEAN ACREAGE, YIELD AND PRODUCTION BY STATE

Acres Planted, Soybeans Grown Alone (Thousand Acres)

	1950	1960	1970	1975	1976	1977	1978	1979	1980	1981
Alabama	150	158	642	1300	1200	1650	1900	2200	2200	2100
Arkansas	646	2472	4393	4750	4360	4650	4750	5200	4800	4550
Delaware	74	182	165	228	208	230	265	280	265	265
Florida	9	35	188	291	259	334	420	460	475	475
Georgia	78	106	550	1190	890	1250	1750	2150	2450	2300
Illinois	4108	5013	6848	8350	7600	8900	9300	9800	9300	9400
Indiana	1765	2458	3300	3650	3300	3900	4200	4500	4400	4650
Iowa	1960	2615	5709	7000	6470	7250	7600	8200	8300	8200
Kansas	409	594	1074	1100	900	1020	1520	1580	1550	1540
Kentucky	202	260	582	1150	1100	1400	1400	1720	1650	1750
Louisiana	89	258	1730	2000	2280	2750	3100	3400	3450	3210
Maryland	95	228	216	335	300	330	385	410	400	375
Michigan	122	229	539	615	570	730	910	1020	960	980
Minnesota	1200	2118	3140	3700	3050	3850	4100	5150	4800	4500
Mississippi	504	983	2358	3230	3335	3750	3900	4200	4000	3700
Missouri	1225	2387	3546	4450	4300	4730	5500	5900	5700	5180
Nebraska	50	165	824	1220	995	1150	1270	1630	1830	2150
New Jersey	37	42	52	104	140	185	195	205	200	170
New York-not est. after 1980	9	6	6	11	12	21	25	26	20	—
North Carolina	410	646	961	1500	1200	1450	1750	2000	2030	1920
North Dakota	44	182	184	180	150	180	175	210	210	235
Ohio	1136	1514	2434	3120	2900	3400	3900	4100	3800	3550
Oklahoma	35	130	200	245	260	360	370	390	350	280
Pennsylvania	48	[illegible]	30	54	52	70	83	101	112	105
South Carolina	94	535	1550	1420	1230	1350	1510	1700	1700	1600
South Dakota	72	102	253	345	280	320	400	700	780	780
Tennessee	248	478	1281	1950	1920	2320	2530	2700	2650	2450
Texas	10	10	170	395	375	800	800	860	700	560
Virginia	202	334	372	451	410	450	480	540	620	645
Wisconsin	77	102	155	216	160	200	220	300	335	380

Acres Harvested for Beans (Thousand Acres)

	1950	1960	1970	1975	1976	1977	1978	1979	1980	1981
Alabama	73	135	600	1260	1170	1600	1850	2150	2100	2050
Arkansas	581	2442	4400	4700	4320	4600	4700	5150	4350	4500
Delaware	63	177	156	225	205	225	260	275	260	260
Florida	7	33	184	281	253	327	410	453	460	460
Georgia	26	75	475	1160	870	1090	1680	2100	2140	2180
Illinois	3969	4973	6800	8320	7560	8850	9240	9720	9250	9330
Indiana	1652	2415	3278	3630	3280	3900	4180	4420	4380	4600
Iowa	1930	2599	5680	6970	6450	7080	7550	8170	8270	8150
Kansas	397	586	930	1080	865	990	1490	1560	1450	1510
Kentucky	126	199	530	1100	1070	1320	1360	1660	1600	1700
Louisiana	37	216	1688	1920	2250	2680	3040	3350	3350	3130
Maryland	67	215	213	330	295	325	380	405	390	370
Michigan	114	221	500	610	565	720	900	1010	950	970
Minnesota	1148	2090	3030	3650	3020	3770	4060	5080	4760	4400
Mississippi	358	916	2580	3120	3250	3650	3800	4100	3850	3600
Missouri	1209	2344	3465	4370	4200	4650	5440	5830	5530	5050
Nebraska	50	164	812	1200	980	1130	1250	1610	1770	2120
New Jersey	20	33	54	102	138	177	191	203	194	168
New York	7	3	6	11	12	19	24	25	19	—
North Carolina	297	545	867	1420	1120	1320	1680	1950	1930	1880
North Dakota	41	176	181	149	147	175	173	206	200	230
Ohio	1090	1499	2550	3100	2880	3380	3870	4080	3760	3500
Oklahoma	23	121	185	237	250	340	340	360	300	270
Pennsylvania	24	7	28	52	50	67	80	98	103	100
South Carolina	62	494	1010	1380	1190	1300	1470	1660	1600	1550
South Dakota	70	100	247	342	271	315	390	685	770	770
Tennessee	168	394	1150	1850	1800	2200	2420	2620	2550	2350
Texas	—	75	158	370	347	760	745	805	630	480
Virginia	152	311	339	433	398	440	475	536	610	636
Wisconsin	33	97	153	207	152	192	215	295	330	375

Average Yield per Acre Harvested for Beans (Bushels)

	1950	1960	1970	1975	1976	1977	1978	1979	1980	1981
Alabama	19.0	24.0	23.0	24.5	24.0	21.0	21.0	25.0	15.0	23.0
Arkansas	21.5	21.0	22.5	25.0	19.0	23.0	24.5	28.0	15.0	22.0
Delaware	14.0	24.0	21.0	25.0	24.0	24.0	29.0	30.0	20.0	27.0
Florida	19.0	26.0	28.0	24.0	26.0	25.0	25.0	29.0	22.0	24.0
Georgia	11.0	17.0	23.0	25.5	23.5	20.0	17.5	28.0	11.0	19.0
Illinois	24.0	26.0	31.0	36.0	33.0	38.0	33.5	39.5	33.5	38.0
Indiana	22.5	27.0	31.0	33.5	34.0	37.0	34.5	36.0	36.0	33.0
Iowa	22.0	25.5	32.5	34.0	31.0	35.5	37.5	37.5	38.5	40.5
Kansas	18.0	21.5	15.0	21.0	15.0	28.5	18.0	26.5	16.5	30.0
Kentucky	17.5	22.0	27.0	27.0	27.0	31.0	30.0	32.5	22.5	29.5
Louisiana	18.0	24.0	24.0	25.0	28.0	23.5	25.0	28.0	20.0	21.0
Maryland	17.0	26.0	24.0	28.0	25.0	27.0	32.0	30.0	24.0	30.0
Michigan	20.0	20.0	26.5	26.0	20.5	30.0	24.0	30.0	32.0	30.0
Minnesota	15.5	19.5	26.0	27.0	22.0	35.5	36.0	32.0	31.5	33.0
Mississippi	25.0	22.0	22.5	22.5	22.0	21.5	21.5	29.0	16.0	21.0
Missouri	23.0	21.5	25.5	26.0	20.0	32.0	28.5	31.5	24.5	31.5
Nebraska	24.0	28.0	22.0	27.0	20.0	36.0	34.0	34.0	30.0	39.0
New Jersey	20.5	24.5	25.0	26.0	24.0	24.0	31.0	30.0	18.0	29.0
New York	18.0	17.0	20.0	27.0	26.0	23.0	23.0	26.0	24.0	—
North Carolina	16.0	22.5	24.0	23.5	22.0	22.0	24.0	23.5	18.5	25.0
North Dakota	10.5	13.0	15.0	19.5	12.5	20.0	27.5	27.0	17.5	28.0
Ohio	22.5	24.5	28.5	33.0	33.0	35.5	33.5	35.5	36.0	28.5
Oklahoma	17.0	20.0	18.0	22.0	22.0	23.0	15.0	23.0	10.0	24.0
Pennsylvania	17.5	23.0	32.0	28.0	29.0	31.0	31.5	32.0	24.5	31.0
South Carolina	12.0	19.0	20.0	22.0	18.0	20.5	22.0	24.0	13.0	21.0
South Dakota	12.5	17.0	17.5	25.0	17.0	30.5	30.5	33.0	26.0	30.0
Tennessee	21.0	22.5	23.0	25.0	22.5	23.5	23.5	27.0	18.0	26.0
Texas	—	27.0	28.0	25.0	26.0	26.5	26.5	26.0	22.0	22.0
Virginia	19.0	22.5	20.0	25.0	20.5	19.0	28.0	28.5	15.0	27.0
Wisconsin	15.0	17.0	24.0	25.5	22.0	35.0	32.0	34.0	33.0	33.0

Total Production of Beans (Thousand Bushels)

	1950	1960	1970	1975	1976	1977	1978	1979	1980	1981
Alabama	1387	3240	13800	30870	28080	33600	39850	53750	31500	47150
Arkansas	12492	51282	99000	117500	82080	105800	115150	144200	65250	99000
Delaware	82	4248	3276	5625	4920	5400	7540	8250	5200	7020
Florida	133	858	5152	6744	6578	8175	10250	13137	10120	11040
Georgia	286	1275	10925	29580	20445	21800	29400	58800	23640	41420
Illinois	95736	129298	210800	299520	249480	336300	309540	379080	309875	364540
Indiana	37170	65205	101618	121605	111520	144300	144210	159120	157680	151800
Iowa	424600	66274	184600	236980	199950	251340	283125	306375	318396	330075
Kansas	7146	12599	13950	22680	12975	28215	26820	41340	23925	45300
Kentucky	2205	4378	14310	29700	28890	40920	40800	53950	36000	50150
Louisiana	666	5184	40512	48000	63000	62980	76000	93800	67000	65730
Maryland	1139	5690	5112	9240	7375	8775	12130	12150	9360	11100
Michigan	2280	4420	13250	15860	11583	21600	21600	30300	30400	29100
Minnesota	17794	40755	79780	98550	66440	133836	146160	162560	149940	145200
Mississippi	8950	20152	58050	70200	71500	78475	81700	118900	61600	75600
Missouri	27807	50396	88368	113620	84000	148800	155040	183645	135485	159075
Nebraska	1200	4592	17864	32400	19600	40680	42500	54740	53100	82680
New Jersey	410	808	1350	2652	3312	4248	5921	6090	3492	4872
New York	126	51	120	297	312	437	552	650	456	—
North Carolina	4752	12262	20808	33370	24640	29040	40320	45825	34740	47000
North Dakota	430	2288	2715	2906	1838	3600	4758	5562	3600	6440
Ohio	24525	36726	72675	102300	95040	119990	127710	144840	135360	99750
Oklahoma	391	2420	3330	5214	5500	7820	5100	8280	3000	6480
Pennsylvania	420	161	896	1456	1450	2077	2520	3136	2524	3100
South Carolina	744	9386	20200	30360	21420	26650	32340	39840	20800	32550
South Dakota	875	1700	4323	8550	4607	9808	11895	22605	20020	23100
Tennessee	3528	8865	26450	46250	40500	52170	56870	70740	45900	61100
Texas	—	2025	4424	9250	9022	20140	19743	20930	13860	10560
Virginia	2888	6998	6780	10825	8359	8360	13300	15276	9150	17145
Wisconsin	495	1649	3672	5279	3344	6720	6880	10030	10890	12375

Source: CROP PRODUCTION SUMMARY; Economics and Statistics Service, U.S.Department of Agriculture.

CANADIAN SOYBEAN PRODUCTION

Estimated Acreage,Production,Farm Price and Value

1950-1981

Crop Year[1]	Seeded acreage (acres)	Avg. yield per seeded acre (bu.)	Production (Th.bu.)	Avg. farm price $ per (bu.)	Total farm value (Th. $)
1950-51	142,000	23.4	3,323	2.55	8,474
1955-56	214,000	26.4	5,650	2.09	11,808
1960-61	226,500	22.1	5,001	2.03	11,521
1961-62	212,000	31.3	6,631	2.25	14,920
1962-63	221,000	29.9	6,608	2.48	16,388
1963-64	228,000	21.9	5,002	2.80	14,006
1964-65	231,000	30.2	6,976	2.87	20,021
1965-66	265,000	30.3	8,030	2.70	21,681
1966-67	279,000	32.3	9,012	3.00	27,036
1967-68	290,000	27.9	8,091	2.68	21,684
1968-69	295,000	30.6	9,027	2.42	21,845
1969-70	322,000	23.8	7,664	2.61	20,003
1970-71	336,000	31.0	10,398	2.78	28,906
1971-72	367,000	28.0	10,276	3.17	32,575
1972-73	405,000	34.0	13,770	5.73	78,902
1973-74	470,000	31.0	14,570	6.17	89,897
1974-75	415,000	24.8	10,290	6.08	62,563
1975-76	390,000	34.6	10,986	4.92	54,05[illegible]
1976-77	377,800	24.5	13,485	7.05	95,069
1977-78	550,000	38.7	21,311	6.25	133,194
1978-79	704,000	26.9	18,960	7.64	144,854
1979-80	700,000	35.2	24,655	7.13	175,790
1980-81	700,000	37.4	26,198	8.47[2]	221,897
1981-82[2]	709,000	32.7	23,185	8.71	201,941

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[1] Most of the crop is grown in Ontario, but there were also small acreages in other provinces in the years 1942-43 to 1945-46. The totals for Canada include this production. [2] Preliminary. Source: Compiled from records of the Dominion Bureau of Statistics, U.S. Department of Agriculture; Foreign Agricultural Service, Oilseeds and Products.

CANADIAN SOYBEAN PRODUCTION AND UTILIZATION

1950-81

Year beg. Aug. 1	Production (Th.bu.)	Imports (Th.bu.)	Supplies (Th.bu.)	Exports of beans (Th.bu.)	Processed for oil and meal (Th.bu.)	Soy oil produced (Th.bu.)	Soybean oilcake produced (Short tons)
1950	3,323	4,723	8,046	—	7,393	72,676	176,343
1955	5,650	8,309	13,959	1,492	11,799	124,171	279,095
1960	5,001	12,345	17,346	1,381	16,279	173,837	380,558
1961	6,631	13,329	19,960	3,671	16,916	176,821	396,067
1962	6,608	14,711	21,319	2,445	17,862	183,592	418,526
1963	5,002	15,656	20,658	1,614	18,606	192,655	441,526
1964	6,976	16,457	23,433	3,179	19,541	201,057	464,888
1965	8,030	17,058	25,088	2,152	20,654	205,296	491,440
1966	9,012	16,295	25,307	3,599	19,876	201,522	474,365
1967	8,091	13,328	21,417	1,571	19,846	198,999	472,321
1968	9,027	12,469	21,496	1,123	20,054	204,027	476,328
1969	7,679	17,430	25,109	1,111	23,679	240,564	558,743
1970	10,398	15,703	26,101	768	23,443	242,506	548,945
1971	10,276	14,774	25,050	1,366	23,314	241,258	544,351
1972	13,770	10,973	24,743	1,064	22,507	218,531	532,382
1973	14,570	12,506	27,076	1,061	23,601	240,675	554,865
1974	10,290	12,650	22,940	349	23,336	238,856	550,250
1975	10,986	12,975	23,961	821	26,566	270,492	627,724
1976	13,485	13,395	26,880	2,583	25,169	254,888	599,002
1977	21,311	14,404	35,715	2,358	26,749	272,488	624,563
1978	18,960	9,664	28,6[illegible]4	3,344	27,301	473,995	636,027
1979	24,655	12,860	37,515	1,984	34,466	576,878	813,497
1980	26,198	15,506	41,704	5,218	34,172	584,226	806,884
1981[1]	23,185	14,514	37,699	4,593	33,988	576,878	799,168

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[1] Preliminary.

Source: Compiled from records of the Dominion Bureau of Statistics. U.S.Department of Agriculture, Foreign Agricultural Service,Oilseeds and Products Division.

SOYBEANS: PLANTING AND HARVESTING DATES

State	1981 Harvested Acres	Usual Planting Dates	Usual Harvesting Dates		
			Begin	Most Active	End
Alabama	2,050	May 5-July 15	Sept. 20	Oct. 1-Oct. 30	Dec. 1
Arkansas	4,500	May 1-June 30	Oct. 1	Oct. 15-Nov. 25	Dec. 10
Deleware	260	May 15-July 10	Oct. 5	Oct. 20-Nov. 15	Dec. 1
Florida	460	May 15-June 15	Sept. 20	Oct. 1-Oct. 31	Nov. 30
Georgia	2,180	May 1-July 5	Oct. 10	Oct. 20-Nov. 20	Nov. 30
Illinois	9,330	May 5-June 25	Sept. 15	Sept. 25-Oct. 15	Nov. 5
Indiana	4,600	May 10-June 20	Sept. 20	Sept. 30-Oct. 30	Nov. 5
Iowa	8,150	May 10-June 10	Oct. 1	Oct. 10-Nov. 5	Nov. 15
Kansas	1,510	May 10-July 5	Sept. 20	Oct. 1-Nov. 5	Nov. 20
Kentucky	1,700	May 5-July 5	Sept. 20	Oct. 1-Nov. 1	Dec. 1
Louisiana	3,130	May 1-June 25	Sept. 15	Oct. 1-Nov. 15	Dec. 1
Maryland	370	May 15-July 10	Oct. 1	Oct. 20-Nov. 15	Dec. 1
Michigan	970	May 10-June 20	Sept. 20	Oct. 10-Oct. 25	Nov. 15
Minnesota	4,400	May 15-June 15	Sept. 25	Oct. 10-Oct. 25	Nov. 10
Mississippi	3,600	May 1-July 5	Sept. 20	Oct. 15-Nov. 15	Dec. 10
Missouri	5,050	May 1-June 20	Sept. 15	Oct. 1-Oct. 20	Dec. 1
Nebraska	2,120	May 10-June 15	Sept. 20	Oct. 5-Oct. 20	Nov. 5
New Jersey	168	May 25-July 10	Oct. 10	Oct. 25-Nov. 10	Noc. 20
New York	—	May 25-June 25	Oct. 1	Oct.10-Oct. 20	Oct. 30
North Carolina	1,880	May 5-June 25	Oct. 15	Nov. 1-Dec. 1	Dec. 20
North Dakota	230	May 20-June 10	Sept. 25	Oct. 5-Oct. 20	Oct. 25
Ohio	3,500	May 10-June 20	Sept. 20	Oct. 1-Oct. 25	Nov. 15
Oklahoma	270	May 10-June 30	Sept. 30	Oct. 10-Nov. 15	Nov. 25
Pennsylvania	100	May 10-July 1	Oct. 20	Nov. 1-Nov. 20	Dec. 1
South Carolina	1,550	May 1-July 10	Oct. 20	Nov. 1-Dec. 1	Dec. 10
South Dakota	770	May 15-June 15	Oct. 1	Oct. 10-Oct. 25	Nov. 5
Tennessee	2,350	May 1-June 30	Oct. 1	Oct. 15-Nov. 15	Dec. 10
Texas	480	May 1-July 15	Oct. 1	Oct. 25-Nov. 5	Nov. 30
Virginia	635	May 1-July 10	Oct. 1	Oct. 20-Nov. 25	Dec. 5
Wisconsin	375	May 25-June 15	Oct. 5	Oct. 20-Nov. 1	Nov. 20

Source: U.S. Department of Agriculture.

U.S. FARM MARKETINGS OF SOYBEANS

Percent of Open Market Farm Sales, by Month, 1971/72-80/81

Month	Crop Marketing Season									
	1971/72	1972/73	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81
September	4.9%	3.3%	3.1%	3.7%	4.7%	8.3%	3.5%	6.9%	5.0%	9.9%
October	24.8	23.0	19.0	24.0	20.1	22.4	18.4	25.1	21.7	25.2
November	18.5	14.9	15.5	15.9	13.9	15.4	11.7	10.5	11.4	11.4
December	6.2	12.5	7.2	7.0	6.8	7.7	8.1	6.2	7.3	5.4
January	9.7	20.3	13.8	9.6	10.7	12.3	9.1	11.3	10.4	10.4
February	7.9	8.6	9.0	5.2	7.1	9.8	8.4	10.2	7.3	4.3
March	8.8	6.5	7.0	6.0	6.9	8.7	13.1	6.7	6.6	7.8
April	4.9	3.3	4.7	5.0	6.1	7.2	7.7	4.5	5.3	5.9
May	4.6	2.8	5.4	5.6	7.0	3.4	7.1	4.4	6.4	5.0
June	3.7	2.1	5.6	6.5	6.1	1.9	4.4	6.9	6.4	3.6
July	3.8	1.5	6.3	6.7	5.6	1.2	4.0	3.5	6.9	5.4
August	2.2	1.2	3.4	4.8	5.0	1.7	4.5	3.8	5.3	5.7
Year	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: Crop Reporting Board, Statistical Reporting Service, U.S. Department of Agriculture.

U.S. SOYBEAN CROP VALUE

Soybeans for Beans: Value of Production, U.S. and Specified States 1925-81 (In 1,000 Dollars)

Year	U.S.	Illinois	Iowa	Indiana	Ohio	Missouri	Minnesota	Arkansas
1925	11,430	3,077	260	872	571	905	—	69
1930	19,068	8,225	1,350	2,496	651	1,584	—	184
1935	35,565	18,983	4,510	4,879	1,771	1,140	76	604
1940	70,224	29,675	12,478	8,929	8,168	1,601	779	832
1945	402,234	156,416	73,143	58,889	39,935	19,843	13,860	6,822
1950	737,760	238,383	112,094	89,208	62,539	64,790	42,765	28,357
1955	830,909	227,956	101,293	99,951	66,640	71,155	98,412	44,469
1956	980,299	295,466	108,500	112,584	68,693	78,303	111,910	58,942
1957	1,002,641	266,904	156,474	111,320	67,813	76,503	109,608	63,528
1958	1,160,112	292,207	160,505	120,731	75,051	109,755	106,791	93,530
1959	1,046,468	250,639	119,906	117,992	71,659	97,383	80,709	106,928
1960	1,184,910	288,335	141,164	140,843	80,063	102,304	87,623	109,231
1961	1,543,909	366,556	221,256	168,903	108,486	142,381	121,147	114,812
1962	1,564,352	378,153	218,177	176,670	102,287	141,996	100,433	143,283
1963	1,755,076	414,444	266,053	183,192	103,741	159,000	141,513	145,145
1964	1,836,441	385,615	311,584	176,835	109,225	144,986	148,304	175,854
1965	2,151,305	467,141	329,121	199,362	129,702	192,762	155,213	195,392
1966	2,553,407	447,536	397,931	202,664	165,578	229,886	215,858	233,186
1967	2,432,564	471,286	360,662	176,082	126,499	186,006	174,360	228,450
1968	2,679,210	520,512	434,203	249,293	166,603	246,154	172,072	215,507
1969	2,647,499	536,583	424,446	246,422	160,423	190,008	178,143	228,027
1970	3,204,650	611,320	520,572	289,611	195,389	250,937	229,126	279,484
1971	3,559,708	729,086	548,763	330,980	247,438	292,978	196,936	277,350
1972	5,550,459	1,159,697	1,023,840	462,383	344,585	466,092	413,574	334,530
1973	8,724,231	1,642,709	1,477,300	763,513	507,088	710,640	693,840	338,800
1974	8,069,585	1,314,614	1,266,149	685,613	536,718	611,654	525,840	568,632
1975	7,[illegible]17,984	1,530,547	1,206,228	605,593	511,500	549,921	494,721	551,075
1976	8,768,979	1,756,834	1,409,648	747,184	664,330	558,600	479,697	533,520
1977	10,351,545	2,021,163	1,487,933	806,637	698,342	854,112	789,627	650,670
1978	12,458,598	2,078,089	1,930,082	963,323	852,994	1,056,284	952,963	773,808
1979	14,250,214	2,448,857	1,890,334	1,005,638	916,837	1,142,272	975,360	928,648
1980	13,559,595	2,361,248	2,352,939	1,195,214	1,036,858	1,028,331	1,084,066	516,128
1981*	12,943,174	2,304,510	2,096,976	963,930	648,375	1,002,173	914,760	643,500

*Preliminary.

Source: Crop Reporting Board, Statistical Reporting Service, U.S. Department of Agriculture.

PRICES OF U.S. SOYBEANS: NO. 1 YELLOW

Average Price Per Bushel, Illinois Country Shipping Points
By Months 1950-81 (In Dollars)

Year[1]	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Average
1950	2.45	2.30	2.72	2.95	3.10	3.25	3.25	3.25	3.24	3.04	2.94	2.87	2.95
1955	2.24	2.22	2.19	2.27	2.35	2.45	2.56	2.85	3.10	2.97	2.54	2.40	2.51
1960	2.07	2.04	2.05	2.15	2.39	2.66	2.88	3.14	3.06	2.73	2.59	2.63	2.53
1961	2.27	2.33	2.38	2.40	2.40	2.40	2.44	2.48	2.47	2.44	2.44	2.42	2.41
1962	2.28	2.37	2.42	2.45	2.55	2.59	2.58	2.55	2.56	2.57	2.56	2.56	2.50
1963	2.58	2.68	2.72	2.71	2.71	2.65	2.63	2.53	2.47	2.44	2.43	2.48	2.59
1964	2.61	2.67	2.74	2.83	2.87	2.95	2.94	2.97	2.81	2.89	2.79	2.63	2.81
1965	2.61	2.38	2.49	2.62	2.77	2.84	2.82	2.92	3.03	3.30	3.49	3.63	2.91
1966	3.13	2.88	2.89	2.95	2.88	2.84	2.82	2.80	2.80	2.82	2.74	2.72	2.86
1967	2.62	2.51	2.50	2.57	2.62	2.64	2.64	2.64	2.65	2.64	2.64	2.62	2.61
1968	2.50	2.32	2.45	2.52	2.55	2.55	2.56	2.60	2.64	2.61	2.64	2.60	2.54
1969	2.41	2.30	2.36	2.41	2.47	2.46	2.47	2.58	2.65	2.73	2.80	2.75	2.53
1970	2.75	2.90	2.97	2.88	2.99	3.01	3.00	2.91	2.99	3.12	3.30	3.23	3.00
1971	3.01	3.01	2.98	3.06	3.05	3.14	3.35	3.47	3.47	3.44	3.48	3.45	3.24
1972	3.42	3.61	3.64	4.07	4.46	5.80	6.15	6.52	8.94	10.84	8.47	9.00	6.22
1973	6.10	5.62	5.57	5.92	6.19	6.35	6.29	5.59	5.47	5.51	7.11	7.76	6.12
1974	7.64	8.30	7.54	7.23	6.38	5.69	5.60	5.55	5.19	5.16	5.60	6.02	6.32
1975	5.57	5.01	4.71	4.58	4.64	4.75	4.72	4.75	5.23	6.23	6.66	6.31	5.26
1976	6.59	6.22	6.55	6.86	7.06	7.26	8.25	9.60	9.42	8.25	6.40	5.49	7.33
1977	5.16	5.07	5.84	5.94	5.73	5.65	6.58	6.81	7.01	6.76	6.62	6.47	6.14
1978	6.42	6.72	6.68	6.81	6.89	7.28	7.45	7.27	7.21	7.70	7.64	7.28	7.11
1979	7.04	6.56	6.52	6.53	6.36	6.42	6.07	5.80	6.04	6.10	7.22	7.45	6.51
1980	8.13	8.27	8.91	7.73	7.57	7.34	7.67	7.72	7.58	7.13	7.36	6.94	7.68
1981	6.44	6.30	6.28	6.23									

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[1] Year begins in September. Note: Beginning September 1953, price quotations are for No.1 and No.2 yellow soybeans when the degrading factors were test weight and/or splits only. Source: FATS & OILS OUTLOOK AND SITUATION (Feb.); Economics and Statistics Service, U.S. Department of Agriculture.

PRICES OF U.S. SOYBEANS: Received by Farmers

Average Price Per Bushel, By Months 1950-81[1] (In Dollars)

Year[2]	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Average[3]
1950	2.26	2.03	2.54	2.70	2.90	3.08	3.10	3.12	3.13	2.98	2.86	2.71	2.47
1955	2.00	2.08	2.06	2.11	2.19	2.25	2.38	2.63	2.98	2.87	2.47	2.33	2.22
1960	1.97	1.94	1.96	1.99	2.23	2.48	2.68	3.02	2.96	2.60	2.48	2.49	2.13
1961	2.24	2.20	2.27	2.30	2.32	2.32	2.34	2.38	2.36	2.34	2.35	2.33	2.28
1962	2.25	2.23	2.30	2.35	2.41	2.50	2.51	2.45	2.47	2.48	2.44	2.45	2.34
1963	2.44	2.56	2.66	2.58	2.65	2.57	2.55	2.45	2.36	2.35	2.34	2.35	2.51
1964	2.51	2.55	2.57	2.71	2.73	2.81	2.85	2.85	2.72	2.74	2.69	2.53	2.62
1965	2.35	2.31	2.36	2.48	2.67	2.77	2.71	2.78	2.90	3.04	3.37	3.49	2.54
1966	2.97	2.78	2.80	2.82	2.77	2.71	2.74	2.71	2.69	2.71	2.66	2.56	2.75
1967	2.53	2.44	2.43	2.48	2.53	2.57	2.57	2.56	2.58	2.54	2.52	2.51	2.49
1968	2.40	2.32	2.40	2.42	2.46	2.48	2.48	2.51	2.56	2.52	2.52	2.51	2.43
1969	2.28	2.23	2.30	2.30	2.36	2.40	2.42	2.48	2.52	2.60	2.72	2.65	2.35
1970	2.66	2.67	2.86	2.77	2.86	2.92	2.91	2.80	2.85	2.98	3.18	3.09	2.85
1971	2.95	2.96	2.84	2.93	2.92	3.00	3.20	3.37	3.35	3.32	3.34	3.36	3.03
1972	3.26	3.13	3.38	3.95	4.10	5.49	6.05	6.14	8.27	10.00	6.69	8.99	4.37
1973	5.81	5.63	5.14	5.65	5.87	6.07	5.96	5.15	5.21	5.13	6.10	7.55	5.68
1974	7.32	8.17	7.44	7.03	6.30	5.72	5.31	5.60	5.00	4.90	5.28	5.80	6.64
1975	5.32	4.92	4.45	4.28	4.46	4.50	4.46	4.52	4.87	6.16	6.73	6.07	4.92
1976	6.65	5.90	6.11	6.56	6.81	7.06	7.83	9.05	9.24	8.13	6.52	5.48	6.81
1977	5.17	5.28	5.61	5.68	5.75	5.53	6.20	6.49	6.77	6.69	6.40	6.21	5.79
1978	6.20	6.26	6.41	6.49	6.58	6.99	7.16	7.06	7.06	7.36	7.36	7.07	6.83
1979	6.81	6.35	6.30	6.27	6.39	6.20	5.94	5.63	5.91	5.76	6.75	7.18	6.28
1980	7.59	7.68	8.18	7.80	7.80	7.50	7.59	7.60	7.42	7.10	7.16	6.17	7.57
1981	6.21	6.06	6.03	5.93									

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[1] Monthly prices computed by weighting state prices by estimated sales for the month. [2] Year begins in September. [3] Includes allowance for unredeemed loans and purchase agreement deliveries by states. Source: FATS & OILS OUTLOOK AND SITUATION (Feb.); Economics and Statistics Service, U.S.Department of Agriculture.

U.S. SOYBEAN PRICE SUPPORT OPERATIONS
1950-1981

Year beg. Oct. 1	Production (1,000 bu.)	Owned by CCC on Oct. 1 (1,000 bu.)	Under Price Support: Loans (1,000 bu.)	Under Price Support: Purchase agreements (1,000 bu.)	Under Price Support: Total (1,000 bu.)	Under Price Support: % of crop %	Deliveries to CCC (1,000 bu.)	Support rate per bu. $	Season avg. price rec'd by farmers² $	Price rec'd by farmers as% of parity³ %
1945-46	193,167	—	32	—	32	0.02	—	2.04	2.08	123
1950-51	299,249	7	14,716	238	14,954	5.00	29.0	2.06	2.47	102
1955-56	373,682	6,570	27,490	2,643	30,133	8.10	2.0	2.04	2.22	82
1960-61	555,085	9,700	25,400	200	25,600	4.60	0.0	1.85	2.13	84
1961-62	678,554	0	114,700	17,800	132,500	19.50	57,200.0	2.30	2.28	79
1962-63	669,186	42,500⁴	66,600	2,200	68,800	10.30	1.2	2.25	2.34	79
1963-64	699,165	1,700	69,600	3,200	72,800	10.40	12.2	2.25	2.51	83
1964-65	700,921	3,038	28,572	—	28,572	4.10	8.0	2.25	2.62	86
1965-66	845,608	9	86,517	—	86,517	10.20	29.0	2.25	2.54	84
1966-67	928,481	1	153,142	—	153,154	16.50	25,955.0	2.50	2.75	85
1967-68	976,439	7,363⁵	200,638	—	200,638	20.50	83,488.0	2.50	2.49	75
1968-69	1,106,968	41,556⁶	336,862	—	336,862	30.50	166,327.0	2.50	2.43	71
1969-70	1,133,120	180,867⁷	179,496	—	179,496	15.90	230.0	2.25	2.35	65
1970-71	1,127,100	115,311⁸	146,416	—	146,416	13.00	37.0	2.25	2.85	75
1971-72	1,176,101	1,401	168,204	—	168,204	14.30	46.0	2.25	3.03	72
1972-73	1,270,608	—	90,565	—	90,565	7.10	6.0	2.25	4.37	88
1973-74	1,547,543	—	124,177	—	124,177	8.00	4.0	2.25	5.68	92
1974-75	1,216,287	—	34,554	—	34,554	2.80	—	2.25	6.64	95
1975-76	1,548,344	—	—	—	—	—	—	None	4.92	68
1976-77	1,288,608	—	22,471	—	22,471	1.70	4.0	2.50	6.81	90
1977-78	1,767,267	—	97,262	—	97,262	5.50	18.0	3.50	5.88	77
1978-79	1,868,754	—	64,208	—	64,208	3.40	13.0	4.50	6.66	75
1979-80	2,267,901	—	122,349	—	122,349	5.40	42.0	4.50	6.28	62
1980-81	1,792,062	—	133,192	—	133,192	7.40	56.0	5.02	7.57	65
1981-82	2,030,452	—	—	—	—	—	—	5.02	—	—

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[1] The prices shown from which the support levels were computed are comparable and parity prices originally reported as follows: 1941-49, August comparable price; 1950-55, parity prices as follows: 1950,August; 1951, January; 1955,February 1955; 1956,January. [2] State average weighted by sales to obtain national average. Prices for years in which there was a substantial volume of deliveries to CCC from loans and purchase agreements include an allowance for such deliveries valued at average loan rates. [3] Generally mid-September parity prices. [4] Excludes 11 million bushels resealed in farm storage. [5] Excludes 20 million bushels resealed in farm storage. [6] Excludes 52 million bushels resealed. [7] Excludes 103 million bushels resealed. [8] Excludes 42 million bushels resealed.

Source: Analysis Division, U.S.Department of Agriculture.

U.S. SOYBEANS: VALUE OF PRODUCTS PER BUSHEL OF SOYBEANS PROCESSED AND PRICE SPREAD, 1950-80

	Value of products per bushel							Soybean price		Spread between value of products and soybean price	
	Soy Oil			Soybean Meal							
Year beg. Sept.	Yield[1] pounds	Price[2] cents	Value dollars	Yield[1] pounds	Price[2] cents	Value dollars	Total value dollars	Rec'd by farmers[3] dollars	No.1 Y IL pts.[4] dollars	Rec'd by farmers dollars	No.1 Y IL pts. dollars
1950	9.7	17.9	1.74	46.8	3.16	1.48	3.22	2.47	2.95	.75	.27
1955	11.1	12.5	1.39	46.2	2.68	1.24	2.63	2.22	2.51	.41	.12
1960	11.0	11.2	1.23	47.0	3.00	1.41	2.64	2.13	2.53	.51	.11
1961	10.9	9.7	1.06	47.2	3.11	1.47	2.53	2.28	2.41	.25	.12
1962	10.7	8.8	.94	46.9	3.57	1.67	2.61	2.34	2.50	.27	.11
1963	10.9	8.4	.92	48.0	3.58	1.72	2.64	2.51	2.59	.13	.06
1964	10.9	11.2	1.22	47.7	3.48	1.66	2.88	2.62	2.81	.26	.07
1965	10.7	11.8	1.26	47.5	4.02	1.91	3.17	2.54	2.91	.63	.26
1966	10.7	10.4	1.11	47.7	3.98	1.90	3.01	2.75	2.86	.26	.15
1967	10.6	8.6	.91	47.7	3.82	1.82	2.73	2.49	2.61	.24	.12
1968	10.6	8.2	.87	47.4	3.76	1.78	2.66	2.43	2.54	.23	.12
1969	10.7	11.0	1.17	47.4	3.89	1.84	3.01	2.35	2.53	.66	.48
1970	10.8	12.8	1.38	47.4	3.96	1.88	3.26	2.85	3.00	.41	.26
1971	11.0	11.5	1.26	47.4	4.36	2.07	3.33	3.03	3.24	.30	.09
1972	10.6	15.2	1.62	47.0	11.03	5.19	6.81	4.37	6.21	2.44	.60
1973	10.8	30.2	3.25	47.2	7.61	3.59	6.84	5.68	6.12	1.16	.72
1974	10.5	32.1	3.37	47.5	6.56	3.12	6.49	6.15[6]	6.32	.34	.17
1975	10.9	18.5	2.02	47.3	7.20	3.40	5.42	4.92	5.26	.50	.16
1976	11.1	2[illegible]	2.67	47.8	10.14	4.86	7.52	6.31	7.33	.71	.19
1977	10.9	23.8	2.59	47.3	8.09	3.83	6.42	5.88	6.14	.54	.28
1978	11.1	27.0	2.99	47.6	9.40	4.48	7.47	6.66	7.11	.81	.36
1979[5]	10.8	24.7	2.66	48.0	8.91	4.28	6.93	6.28	6.51	.65	.42
1980[5]	11.1	23.1	2.56	47.9	11.10	5.32	7.88	7.57	7.68	.31	.21

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[1] Actual outturn of oil and meal as calculated from Bureau of Census Reports. [2] Simple average of monthly cash prices per pound using the following quotations: soybean oil, crude, tank cars, F.O.B. Decatur, IL.: soybean meal, bulk, 44% protein, Decatur, IL. [3] Season average price received by farmers weighted by the estimated percent of crops sold each month. [4] Simple average of monthly prices. [5] Preliminary. [6] Economics and Statistics Service estimate. Source: FATS & OILS OUTLOOK AND SITUATION (Feb.).

U.S. SOYBEANS: SUPPLY AND DISPOSITION

Soybeans: Supply, Disposition, Acreage and Price, 1971-81

	Year beginning September										
	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980[1]	1981[2]
	Supply and Disposition (Million Bushels)										
Supply											
Beginning stocks, Sept. 1	98.8	72.0	59.6	170.8	188.2	244.9	102.9	161.0	174.0	359.0	320.0
Production	1,176.1	1,270.6	1,547.5	1,216.3	1,547.4	1,287.6	1,761.8	1,870.0	2,268.0	1,792.0	2,030.0
Total Supply	1,274.9	1,342.6	1,607.1	1,387.1	1,735.6	1,532.5	1,864.7	2,031.0	2,442.0	2,151.0	2,350.0
Disposition											
Crushings	720.5	721.8	821.3	701.3	865.1	790.2	926.7	1,018.0	1,123.0	1,020.0	1,060.0
Exports	416.8	479.4	539.1	420.7	555.1	564.1	700.5	739.0	875.0	724.0	840.0
Seed	51.0	60.8	56.1	57.2	53.5	61.0	66.0	75.0	67.0	65.0	69.0
Feed	1.1	1.1	1.2	1.0	1.2	1.0	1.0	1.0	1.0	1.0	1.0
Residual	13.5	19.9	18.6	18.8	15.8	13.3	7.5	24.0	17.0	21.0	20.0
Total disposition	1,202.9	1,283.0	1,436.3	1198.9	1490.7	1,429.6	1,703.7	1,857.0	2,083.0	1,831.0	1,990.0
Ending stocks, Aug.31	72.0	59.6	170.8	188.2	244.9	102.9	161.0	174.0	359.0	320.0	360.0
	Acreage and Yield (Million Acres)										
Acreage planted	43.5	46.9	56.6	52.5	54.6	50.2	58.8	64.4	71.6	70.0	68.0
Acreage harvested for beans	42.7	45.7	55.7	51.3	53.6	49.4	57.6	63.3	70.5	67.8	66.7
Percent harvested (%)	98.2	97.4	98.4	97.7	98.3	98.2	97.9	98.3	98.5	96.9	98.1
	(Bushels)										
Yield per acre harvested	27.5	27.8	27.7	23.2	28.9	26.1	30.6	29.4	32.1	26.4	30.4
	Price (Dollars)										
Price per bushel											
Support (U.S.farm basis)	2.25	2.25	2.25	2.25	—	2.50	3.50	4.50	4.50	5.02	5.02
Received by farmers	3.03	4.37	5.68	6.64	4.92	6.81	5.88	6.66	6.28	7.57	6.25
No. 1 yellow, IL pts.	3.24	6.22	6.12	6.32	5.26	7.33	6.14	7.11	6.51	7.68	—
No. 1 yellow, Chicago	3.29	6.26	6.12	6.33	5.25	7.36	6.11	7.09	—	—	6.34

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[1] Preliminary. [2] Forecast.

Source: FATS & OILS OUTLOOK AND SITUATION; Economics and Statistics Service, U.S. Department of Agriculture.

U.S. SOYBEAN MEAL: PRICES PAID BY FARMERS

Soybean Meal, 44% Protein: Prices Paid by Farmers per 100 Pounds, by Months, 1950-81

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Avg.
1950	$4.20	$4.02	$4.11	$4.19	$4.58	$4.73	$5.16	$5.01	$4.44	$4.15	$4.24	$4.34	$4.43
1955	4.77	4.73	4.62	4.50	4.36	4.16	4.16	4.14	4.17	4.33	4.08	3.97	4.33
1960	4.24	4.19	4.14	4.16	4.09	4.05	4.03	3.98	4.01	3.96	3.85	3.80	4.04
1965	4.76	4.81	4.80	4.82	4.82	4.90	5.03	5.04	5.01	5.01	5.10	5.01	4.93
1966	5.06	5.17	5.08	5.03	5.21	5.33	6.11	6.07	6.23	5.73	5.56	5.55	5.51
1967	5.60	5.51	5.45	5.35	5.26	5.31	5.38	5.30	5.47	5.32	5.20	5.17	5.36
1968	5.20	5.24	5.22	5.21	5.23	5.28	5.41	5.51	5.56	5.54	5.39	5.31	5.34
1969	5.24	5.21	5.21	5.21	5.24	5.31	5.36	5.35	5.32	5.26	5.26	5.28	5.27
1970	5.73	5.87	5.62	5.46	5.45	5.42	5.56	5.67	5.72	5.69	5.62	5.67	5.62
1971	5.74	5.69	5.67	5.62	5.63	5.71	5.76	5.79	5.69	5.64	5.61	5.65	5.68
1972	5.74	5.79	5.94	6.14	6.27	6.32	6.53	6.65	6.80	6.91	7.39	8.95	6.62
1973	10.40	11.50	12.60	12.10	15.40	19.60	17.00	18.60	14.90	13.30	11.20	11.90	14.00
1974	11.90	11.40	10.60	9.80	8.75	8.33	8.29	11.40	10.30	11.30	10.70	10.30	10.30
1975	9.86	9.10	8.37	8.64	8.54	8.48	8.57	8.88	9.24	9.23	8.75	8.74	8.87
1976	8.81	8.84	8.86	8.84	9.34	11.50	12.50	11.70	12.20	11.60	11.50	12.20	10.70
1977	12.60	13.00	13.70	15.10	16.00	15.40	13.20	11.80	11.20	10.70	11.00	11.30	12.90
1978	11.30	10.90	11.30	11.90	11.80	11.90	11.90	11.50	11.50	11.80	12.30	12.40	11.70
1979	12.50	12.60	12.80	12.80	12.80	13.10	14.00	13.50	13.20	13.20	12.80	13.00	13.03
1980	12.80	12.80	12.60	12.20	12.30	12.40	12.70	13.70	14.60	15.30	16.50	16.30	13.68
1981	15.90	15.50	15.00	15.20	15.40	15.20	15.00	14.90	14.40	14.00	13.70	13.80	14.74
1982	13.70	13.90											

Source: AGRICULTURAL PRICES; Economics and Statistics Service, U.S.Department of Agriculture.

U.S.SOYBEAN MEAL: AVERAGE WHOLESALE PRICE

Soybean Meal, 44% Protein[1], Average Wholesale Price per Ton, Bulk Decatur by Months, 1950-81

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Avg.
1950-51	54.05	61.45	64.70	63.90	69.25	67.00	62.00	63.40	64.40	68.80	64.60	69.75	64.45
1955-56	56.00	49.00	50.25	51.00	49.40	47.40	53.00	60.05	60.75	54.80	52.10	46.[illegible]0	52.55
1960-61	48.95	44.50	51.25	55.20	61.50	64.45	73.10	71.00	63.85	65.00	68.90	59.60	60.60
1961-62	55.80	59.30	60.20	59.90	57.60	60.60	62.50	64.10	66.70	68.50	71.10	76.70	63.60
1962-63	69.00	70.60	70.50	71.90	73.10	70.80	68.30	68.10	70.40	72.00	75.20	75.20	71.30
1963-64	73.50	74.90	76.90	77.50	74.80	73.40	69.90	65.50	66.50	65.80	63.90	69.50	71.00
1964-65	69.20	66.10	67.80	68.00	69.80	68.50	69.30	68.40	74.60	74.40	69.60	76.80	70.20
1965-66	70.80	75.70	71.40	78.80	77.30	71.50	75.50	80.30	92.70	97.20	97.90	88.40	81.50
1966-67	82.20	78.90	84.60	81.70	79.50	76.60	74.50	73.70	78.10	78.20	78.70	79.20	78.80
1967-68	71.80	71.90	73.40	75.10	74.50	75.00	74.60	75.00	79.50	82.80	84.40	85.10	76.90
1968-69	78.20	73.50	71.60	69.80	69.90	72.60	73.30	76.10	77.50	77.30	76.90	72.70	74.10
1969-70	75.40	69.90	82.90	87.50	85.25	71.80	74.60	71.20	74.70	82.90	84.00	81.20	78.40
1970-71	77.25	77.90	82.00	80.25	77.50	77.00	74.25	78.25	81.50	84.25	78.75	73.25	78.50
1971-72	74.75	73.80	80.60	82.60	84.80	90.90	94.50	95.[illegible]0	95.00	101.40	101.00	107.75	90.20
1972-73	109.00	123.20	174.00	188.40	218.75	199.90	203.25	314.60	412.50	311.20	285.00	208.10	229.00
1973-74	159.60	167.00	192.00	172.00	160.00	147.10	117.20	109.25	100.00	138.10	155.90	138.10	146.40
1974-75	163.20	141.00	143.40	129.20	117.25	117.75	122.00	118.50	120.90	124.00	134.40	133.70	130.90
1975-76	125.90	119.90	125.10	128.25	132.60	127.90	127.10	152.25	187.90	193.90	173.30	179.20	147.80
1976-77	169.60	181.20	197.60	207.00	211.00	226.20	275.60	258.25	225.30	162.00	140.30	143.60	199.80
1977-78	135.00	161.70	160.10	162.20	152.90	179.40	173.00	177.40	169.75	172.00	162.90	163.90	164.20
1978-79	176.80	177.10	188.75	184.90	190.90	194.00	191.10	188.00	209.60	201.60	188.90	188.60	190.00
1979-80	181.40	183.10	188.00	180.20	174.25	164.60	154.20	166.50	160.90	187.90	207.40	234.50	181.91
1980-81	246.40	261.40	223.70	223.50	212.50	210.40	222.00	221.00	200.90	204.10	202.25	190.00	218.18
1981-82	180.75	178.40	187.50										

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[1] 41% 1940-50.

Source: Economic Research Service, National Economics Division, Crops Branch.

U.S. SOYBEAN MEAL: PRODUCTION, STOCKS AND DISAPPEARANCE

Soybean Cake and Meal: Production, Stocks, Foreign Trade and Domestic Disappearance, 1974-81
(1,000 short tons)

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Total
1974-75													
[1]Stocks	507.3	508.2	563.7	529.0	541.0	540.0	556.7	470.5	448.1	421.7	394.8	404.5	—
Production	1,467.0	1,457.7	1,427.3	1,483.9	1,282.0	1,435.8	1,368.2	1,245.4	1,256.2	1,407.6	1,532.5	1,337.9	16,701.5
Exports	406.8	412.5	366.6	492.1	371.9	282.2	540.3	218.9	330.0	270.2	371.9	285.8	4,349.2
Domestic disappearance	1,059.3	989.7	1,096.4	979.8	911.1	1,136.9	914.1	1,048.9	952.6	1,164.3	1,150.9	1,098.3	12,501.3
1975-76													
[1]Stocks	368.3	396.1	441.4	371.4	378.1	419.5	368.3	368.8	462.8	389.8	406.9	360.5	—
Production	1,700.5	1,697.0	1,807.8	1,748.3	1,616.5	1,820.0	1,830.2	1890.8	1,771.8	1,670.3	1,556.2	1,644.8	20,764.2
Exports	279.4	363.4	435.9	543.3	392.5	498.0	656.7	363.1	461.9	384.3	436.7	360.8	5,206.0
Domestic disappearance	1,383.3	1,298.3	1,441.9	1,198.3	1,182.6	1,383.2	1,173.0	1,403.7	1,382.9	1,248.9	1,175.9	1,279.6	15,551.6
1976-77													
[1]Stocks	354.9	423.5	427.7	363.9	384.7	429.9	412.6	449.0	408.3	390.7	399.0	270.1	—
Production	1,747.2	1,763.4	1,741.3	1,726.1	1,709.2	1,771.0	1,596.0	1,454.0	1,339.5	1,211.4	1,189.0	1,243.1	18,488.1
Exports	412.3	405.3	470.5	462.9	307.1	645.8	370.5	479.4	240.7	246.1	280.7	292.6	4,613.9
Domestic disappearance	1,286.3	1,353.9	1,344.6	1,231.4	1,356.9	1,142.5	1,189.1	1,015.3	1,116.4	956.9	1,034.9	992.6	14,000.8
1977-78													
[1]Stocks	228.3	270.0	239.7	245.1	251.7	246.7	227.4	298.5	263.3	191.0	262.6	234.1	—
Production	1,781.4	2,017.3	2,044.1	2,006.7	1,778.5	2,060.0	1,875.1	1,959.7	1,725.2	1,680.7	1,757.9	1,696.0	22,372.6
Exports	238.9	533.9	520.6	618.6	454.6	721.5	659.3	508.9	540.7	399.4	470.6	422.7	6,080.0
Domestic disappearance	1,500.8	1,506.5	1,518.0	1,376.1	1,328.9	1,334.9	1,142.2	1,478.9	1,252.9	1,204.7	1,307.6	1,259.1	16,210.C
1978-79													
[1]Stocks	242.9	239.5	205.9	289.1	242.2	226.0	238.2	264.7	237.2	239.0	262.4	173.7	—
Production	2,114.7	2,136.4	2,292.2	2,158.3	1,954.8	2,121.6	1,989.0	2,066.1	1,979.3	1,898.3	1,757.9	1,821.7	24,364.1
Exports	477.5	507.5	738.5	658.9	526.5	903.7	507.5	453.6	502.9	543.7	410.3	379.1	6,609.8
Domestic disappearance	1,640.6	1,661.5	1,470.5	1,546.2	1,445.5	1,204.7	1,454.9	1,638.9	1,474.6	1,331.2	1,502.3	1,348.9	17,719.8
1979-80													
[1]Stocks	267.4	234.3	196.2	240.5	184.3	191.3	251.1	226.1	299.0	302.1	267.8	262.1	—
Production	2,286.8	2,433.3	2,506.1	2,555.1	2,400.0	2,454.4	2,203.1	2,247.1	1,987.8	2,058.4	2,011.5	1,962.5	27,106.1
Exports	513.7	552.1	757.4	806.6	930.1	881.1	651.2	750.7	558.0	577.8	384.1	559.9	7,931.9
Domestic disappearance	1805.2	1920.3	1703.4	1804.7	1462.9	1513.5	1566.9	1423.5	1426.7	1514.9	1633.1	1439.9	19,215.0
1980-81													
[1]Stocks	225.6	242.4	381.4	249.7	242.6	248.1	271.4	211.7	287.6	241.1	188.8	233.8	—
Production	2,325.7	2,366.5	2,248.5	2,207.8	1,905.3	2,141.1	2,047.9	1,963.2	1,765.3	1,734.4	1,787.8	1,820.6	24,312.1
Exports	452.0	453.4	751.5	660.6	759.8	942.2	800.3	526.4	387.1	320.0	416.9	297.3	6,778.2
Domestic disappearance	1,856.9	1,774.1	1,628.7	1,564.3	1,140.0	1,175.6	1,307.3	1,360.9	1,424.7	1,466.7	1,325.9	1,594.4	17,596.8

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[1] Beginning of month.

Source: FATS & OILS OUTLOOK AND SITUATION (Feb.).

OILSEED CAKE AND MEALS: SUPPLY AND DISPOSITION

Supply, disposition and price; Year beginning in October
1973-81

	Supply				Disposition				
	Stocks Oct.1[1]	Production	Imports	Total	Domestic disappearance 1,000 tons	Exports	Shipments	Total	Price per ton[2] Dollars
1973-74									
Soybean	183	19,674	—	19,857	13,766	5,548	36	19,350	146.35
Cottonseed	55	2,172	5	2,232	2,078	69	18	2,165	130.70
Linseed	14	287	14	315	194	107	—	301	127.95
Peanut	3	130	—	133	129	—	—	129	—
Total	255	22,263	19	22,537	16,167	5,724	54	21,945	—
1974-75									
Soybean	507	16,702	—	17,209	12,502	4,299	50	16,851	130.85
Cottonseed	67	1,851	1	1,919	1,808	11	39	858	119.55
Linseed	14	232	—[3]	246	94	144	—	238	126.65
Peanut	4	151	—	155	152	—	—	152	129.30
Total	592	18,936	1	19,529	14,556	4,454	89	19,099	—
1975-76									
Soybean	358	20,754	—	21,113	15,552	5,145	61	20,758	147.75
Cottonseed	61	1,238	11	1,311	1,238	24	28	1,291	148.60
Linseed	8	227	—	235	84	143	—	227	134.55
Peanut	3	311	—	315	313	—	—	313	150.90
Total	430	22,530	11	22,974	17,187	5,312	89	22,589	—
1976-77									
Soybean	355	18,488	—	18,843	14,001	4,559	55	18,615	199.80
Cottonseed	20	1,643	2	1,665	1,524	50	32	1,606	175.80
Linseed	7	210	1	218	127	87	—	214	156.85
Peanut	2	204	—	206	203	—	—	203	207.40
Total	384	20,545	3	20,932	15,855	4,696	87	20,638	—
1977-78									
Soybean	228	22,371	—	22,599	16,209	6,080	67	22,356	164.20
Cottonseed	59	2,083	4	2,146	1,920	115	42	2,077	140.45
Linseed	4	236	4	244	83	158	—	241	137.75
Peanut	3	99	—	[illegible]	100	—	—	100	164.35
Total	294	24,789	8	[illegible]	18,312	6,353	109	24,774	—
1978-79									
Soybean	243	24,354	—	24,597	17,673	6,610	47	24,330	190.10
Cottonseed	69	1,885	9	1,963	1,747	150	15	1,912	164.80
Linseed	3	244	2	249	125	118	—	243	152.20
Peanut	2	104	—	106	105	—	—	105	198.50
Total	317	26,587	11	26,915	19,650	6,878	62	26,590	—
1979-80									
Soybean	267	27,105	—	27,372	19,153	7,932	61	27,146	181.90
Cottonseed	51	2,049	7	2,107	1,863	175	16	2,054	164.10
Linseed	6	207	2	215	134	76	—	210	154.40
Peanut	1	125	—	126	125	—	—	125	186.10
Total	325	29,486	9	29,820	21,275	8,183	77	29,535	—
1980-81									
Soybean	226	24,312	—	24,538	17,540	6,778	57	24,375	218.20
Cottonseed	53	1,790	—[3]	1,843	1,597	127	11	1,735	197.05
Linseed	5	260	1	266	120	142	—	262	160.55
Peanut	1	84	—	85	84	—	—	84	236.05
Total	285	26,446	1	26,732	19,341	7,047	68	26,456	—
1981-82[4]									
Soybean	163	25,367	—	25,530	18,100	7,200	—	25,300	185.00
Cottonseed	108	1,932	—	2,040	1,865	100	—	1,965	165.00
Linseed	4	230	1	235	76	155	—	231	150.00
Peanut	1	135	—	136	133	—	—	133	190.00
Total	276	27,664	1	27,941	20,329	7,300	—	27,629	—

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[1] Stocks at processing mills. [2] Soybean meal, 44% protein, bulk Decatur. Cottonseed meal, 41% protein, bulk Memphis. Peanut meal, 50% protein, southeast milling points. [3] Less than 500 tons. [4] Forecast. Source: Analysis Division, Agriculture Stabilization & Conservation Service, U.S.Department of Agriculture.

PRICES OF U.S. SOY OIL

Soy Oil, Domestic Crude: Average cents per Pound in Tank Cars at Midwestern Mills by Months 1950-81

Crop year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Season avg.**
1950-51	14.6	17.1	19.6	20.6	21.1	20.5	20.5	19.5	16.4	14.5	15.4	14.0	17.8
1955-56	10.9	11.0	10.9	11.7	12.8	14.3	14.9	15.3	13.6	12.5	11.4	11.3	12.5
1960-61	9.4	10.2	10.0	10.9	12.2	13.0	13.3	12.7	13.6	10.9	10.9	10.5	11.3
1961-62	10.7	10.4	10.5	10.5	10.2	10.1	9.9	9.3	8.4	8.0	8.2	8.1	9.5
1962-63	8.7	8.6	8.6	8.9	9.2	9.3	9.1	9.2	9.1	9.0	8.3	8.5	8.9
1963-64	9.2	9.1	8.3	8.1	8.0	8.1	7.9	8.4	8.2	8.5	8.8	9.7	8.5
1964-65	10.9	12.2	12.0	11.6	12.1	12.2	12.1	10.4	10.2	10.0	10.5	11.4	11.3
1965-66	11.5	11.2	11.2	11.9	12.0	11.3	11.6	11.3	11.2	12.3	14.1	12.3	11.8
1966-67	10.9	10.8	10.6	10.3	10.3	10.3	10.3	10.3	9.8	9.1	9.6	9.3	10.1
1967-68	8.8	8.6	8.6	8.7	9.5	9.1	8.8	8.7	7.8	7.4	7.5	7.5	8.4
1968-69	7.3	7.9	8.1	8.6	8.9	8.8	8.4	8.4	7.8	8.2	8.9	9.7	8.4
1969-70	10.6	10.9	9.6	9.6	11.5	12.2	12.2	11.3	11.1	11.5	11.6	12.1	11.2
1970-71	14.0	13.9	12.4	12.3	12.1	12.2	11.2	11.4	12.8	14.5	14.5	12.8	12.8
1971-72	13.2	12.5	11.7	10.9	11.0	11.7	11.9	11.4	10.7	10.3	10.1	9.8	11.3
1972-73	9.6	9.6	9.7	10.1	13.0	13.9	15.0	17.1	19.3	22.4	33.5	24.3	16.5
1973-74	23.1	20.4	26.0	28.6	36.4	30.2	28.2	29.4	31.6	40.5	43.3	40.7	31.5
1974-75	42.3	40.4	38.0	33.6	29.4	29.1	28.2	23.6	23.3	27.5	28.5	24.4	30.7
1975-76	21.4	18.9	16.8	16.2	16.3	16.6	16.3	15.8	17.6	20.9	20.4	22.5	18.3
1976-77	20.7	21.8	21.0	20.9	22.4	26.5	29.6	31.3	28.3	23.8	21.1	19.2	23.9
1977-78	18.8	21.0	22.6	20.9	21.6	26.6	26.8	28.8	26.9	25.9	26.3	27.8	24.5
1978-79	26.7	23.7	25.3	25.8	27.3	26.9	26.7	27.8	27.4	29.1	29.2	30.0	27.2
1979-80	27.9	27.8	26.2	23.6	23.4	22.1	20.3	20.8	21.6	26.2	25.9	26.1	24.3
1980-81	25.1	26.7	23.7	23.0	22.0	23.1	23.4	21.6	21.3	22.8	20.8	19.4	22.7
1981-82	19.7	19.9	18.9										

**Simple average for months shown.

Source: Marketing Research Service, U.S.Department of Agriculture. Monthly prices, Oct. 1938-Dec. 1952 compiled from The National Provisioner; since February 1953 from Oil Paint and Drug Reporter. June 1969-Nov. 1978 monthly prices compiled from Chicago, Wall Street Journal. Beginning Dec. 1978 monthly prices' source, FATS & OILS OUTLOOK AND SITUATION

SOY OIL UTILIZATION

Utilization by Products, 1960-80(Million Pounds)

Year Beginning October	Food[1]					Nonfood						Total Domestic Utilization
	Shortening	Margarine	Cooking and Salad Oils[1]	Other Edible	Total	Paint and Varnish	Resins and Plastics	Other Drying Oil Products	Fatty Acids	Other Inedible[2]	Total	
1960/61	1,097	1,073	793	26	2,989	96	64	4	6	30	340	3,329
1961/62	1,353	1,036	771	20	3,180	88	74	4	—	43	359	3,540
1962/63	1,222	1,069	933	15	3,239	90	78	6	1	47	385	3,624
1963/64	1,391	1,126	1,146	21	3,684	94	84	6	—	42	374	4,058
1964/65	1,404	1,107	1,100	32	3,643	94	105	5	12	45	426	4,069
1965/66	1,739	1,241	1,200	38	4,218	100	104	6	—	53	469	4,687
1966/67	1,691	1,273	1,353	58	4,375	96	97	7	—	61	462	4,837
1967/68	1,816	1,234	1,494	44	4,588	86	97	7	—	59	508	5,096
1968/69	1,978	1,290	1,967	36	5,271	87	94	7	—	61	485	5,756
1969/70	2,255	1,415	2,150	37	5,857	94	79	7	1	47	471	6,328
1970/71	2,077	1,381	2,288	34	5,780	82	65	6	3	49	472	6,253
1971/72	2,089	1,413	2,469	38	6,009	81	55	4	6	34	431	6,439
1972/73	2,230	1,491	2,469	39	6,229	81	57	4	9	35	456	6,685
1973/74	2,321	1,513	2,884	30	6,748	91	77	5	12	43	508	7,255
1974/75	1,882	1,486	2,680	22	6,070	83	58	3	16	28	448	6,518
1975/76	2,416	1,691	3,274	24	7,405	94	66	3	23	21	501	7,906
1976/77	2,189	1,568	3,221	25	7,003	85	83	4	26	32	508	7,511
1977/78	2,433	1,592	3,808	29	7,862	87	79	4	42	29	549	8,411
1978/79	2,653	1,651	3,956	38	8,298	75	88	NA	35	46	554	8,852
1979/80	2,658	1,648	4,153	35	8,493	52	80	NA	21	52	205	8,698
1980/81[3]	2,675	1,666	4,226	43	8,610	46	71	NA	23	63	202	8,813

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[1] Adjusted for exports of refined and further processed salad oil. Prior to January 1965 no adjustment made for exports of undeodorized hydrogenated oil. [2] Includes soap and other miscellaneous. [3] Preliminary.

Source: FATS & OILS, PRODUCTION, CONSUMPTION & STOCKS, Bureau of Census.

U.S. SOY OIL: SUPPLY AND DISPOSITION

Supply, Disappearance, Oil Equivalent of Exports of Soybeans, and Price, 1960-81

Year Beginning October	Supply				Disappearance				Soybean Oil equivalent of Exports	Price per Pound Tank Cars	
	Production	Imports	Stocks October 1	Total	Exports	Shipments to U.S. Territories	Domestic Disappearance Total	Domestic Disappearance Per Capita		Crude, Decatur	Refined, N.Y.
	Million pounds							Pounds	Mil. Lb.	Cents	Cents
1960	4,420	—	308	5,456	700[2]	—	3,329	18.5	1,431	11.3	13.6
1961	4,790	—	677	5,467	1,308[2]	—	3,540	19.4	1,685	9.5	11.7
1962	5,091	—	618	5,709	1,165[2]	—	3,624	19.5	1,984	8.9	11.1
1963	4,822	—	920	5,742	1,106[2]	—	4,058	21.5	2,103	8.5	10.7
1964	5,146	—	578	5,724	1,340[2]	—	4,069	21.3	2,265	11.3	13.4
1965	5,800	—	297	6,097	923	25	4,687	24.3	2,764	11.8	13.6
1966	6,076	—[3]	462	6,538	1,077	28	4,837	24.8	2,930	10.1	12.4
1967	6,032	—	596	6,628	963	30	5,096	25.9	2,972	8.4	10.5
1968	6,531	—[3]	540	7,071	870	29	5,756	29.0	3,148	8.4	10.4
1969	7,904	—	415	8,319	1,420	29	6,328	31.5	4,941	11.2	13.1
1970	8,265	—	543	8,808	1,742	40	6,253	30.7	4,764	12.8	14.6
1971	7,892	—[3]	773	8,665	1,398	42	6,439	31.3	4,429	11.3	12.7
1972	7,501	—[3]	785	8,286	1,066	20	6,685	32.2	5,191	16.5	17.7
1973	8,995	—[3]	516	9,511	1,435	26	7,255	34.7	6,100	31.5	33.0
1974	7,375	—	794	8,169	1,028	62	6,518	30.9	4,643	30.7	33.0
1975	9,630	—	561	10,191	976	58	7,906	37.2	6,179	18.3	23.5
1976	8,578	—	1,251	9,829	1,547	60	7,454	34.8	6,124	23.9	29.2
1977	10,288	—	771	11,059	2,057	80	8,273	37.9	7,769	24.6	29.6
1978	11,323	—	729	12,052	2,334	77	8,942	40.7	8,220	27.4	32.7
1979	12,105	—	776	12,881	2,690	51	8,981	40.8	9,432	24.3[5]	—
1980	11,270	—	1,210	12,480	1,629	—	9,115	—	—	22.7	—
1981[4]	11,554	—	1,736	13,290	2,205	—	9,450	—	—	18.0-22.0	—

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[1] Calculated at 11.0 pounds of oil per bushel. [2] Includes estimates of foreign donations of fats and oils, not reported by census, 1960-64. [3] Less than 500,000 pounds. [4] Estimated. [5] October-December average. Source: FATS & OILS OUTLOOK AND SITUATION(Feb.); Economics and Statistics Service, U.S. Department of Agriculture.

U.S. EXPORTS OF SOYBEANS

Exports by Months, Crop Years 1953-1981 (Million Bushels)

Year	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Total
1953	1.1	5.8	10.1	7.7	3.7	2.5	1.7	3.2	1.6	1.0	1.0	.7	40.1
1955	4.0	8.8	13.2	12.7	6.8	2.6	1.9	5.1	4.3	3.7	3.7	1.7	68.6
1960	8.2	14.1	22.7	20.6	9.1	10.2	8.5	7.7	11.4	7.7	7.7	7.0	134.7
1961	3.6	20.7	23.6	16.5	10.9	10.3	11.0	11.7	12.7	11.9	8.1	8.4	149.4
1962	7.3	22.4	27.4	18.7	3.7	19.3	14.4	14.1	11.6	15.6	14.3	11.8	180.5
1963	7.2	19.8	21.3	21.8	17.0	16.2	13.6	17.6	14.0	13.0	11.9	13.7	187.2
1964	11.1	29.5	27.4	24.4	2.9	11.3	25.0	17.6	17.8	16.1	17.4	11.7	212.2
1965	4.8	32.3	39.4	31.4	19.6	17.1	21.6	20.2	21.5	19.6	12.1	11.1	250.6
1966	5.5	29.4	40.6	29.8	21.9	20.4	17.5	21.7	21.8	20.0	16.8	16.2	261.6
1967	10.3	29.7	39.9	27.2	21.8	18.8	24.1	21.6	20.1	18.7	17.1	17.5	266.6
1968	13.9	32.8	50.0	38.5	1.2	11.4	36.6	34.3	23.8	14.0	18.2	12.1	286.8
1969	13.3	52.5	53.7	39.9	28.7	31.6	39.2	41.2	37.1	38.5	25.2	31.6	432.6
1970	29.9	44.0	45.3	46.9	35.1	33.0	36.1	32.8	30.2	34.9	34.4	31.3	433.8
1971	29.2	29.4	47.4	50.3	42.4	35.5	31.3	37.3	31.7	31.1	26.3	24.9	416.8
1972	15.0	54.3	61.2	49.1	47.7	54.7	59.1	45.5	41.0	26.5	14.2	11.0	479.4
1973	7.5	46.6	74.4	58.0	48.3	56.4	57.9	62.0	43.5	36.1	27.1	21.2	539.1
1974	22.9	32.2	63.2	41.4	50.0	33.3	38.4	35.8	25.1	14.0	31.0	33.4	420.7
1975	24.3	62.7	61.5	49.6	51.8	52.2	52.3	50.5	49.5	47.2	29.2	24.3	555.1
1976	22.2	60.1	67.4	56.7	50.9	59.9	58.4	57.0	55.1	31.0	27.2	18.1	564.1
1977	15.0	77.6	87.7	57.0	52.6	54.4	66.6	72.7	79.3	63.4	34.7	39.3	700.3
1978	38.0	87.5	101.7	70.6	77.0	53.2	83.6	67.8	47.0	41.0	32.7	39.7	739.8*
1979	40.8	88.8	118.1	78.3	85.8	73.0	69.3	81.3	74.2	58.7	49.1	57.7	875.1
1980	41.4	60.3	75.0	74.5	71.7	55.5	103.2	60.0	69.6	41.8	29.6	41.8	724.3
1981	51.0	100.8	103.7	73.6									

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*Bureau of Census figure. USDA figure 753., based on inspections for export. Figures may be adjusted in the future. Source: FATS & OILS OUTLOOK AND SITUATION (Feb.); Economic Research Service, U.S. Department of Agriculture.

U.S. EXPORTS: SOYBEANS, OIL AND MEAL

Exports by Country of Destination and Total Value, 1979-81
(Metric Tons)

Continent and Country of Destination	Soybeans[1]			Soybean oil[2]			Soybean oilseed cake and meal[3]		
	1979	1980	1981[4]	1979	1980	1981[4]	1979	1980	1981[4] [5]
North America:									
Canada	300,737	401,257	282,001	19,845	12,657	5,957	399,467	338,522	338,500
Mexico	407,618	931,249	664,604	729	50,347	2,540	147,436	178,245	117,669
Other	74,135	111,023	129,130	86,268	89,010	91,996	137,369	170,504	205,761
Total	7[illegible]90	1,443,520	1,075,735	106,842	152,014	100,493	684,271	687,271	661,930
South America:									
Brazil	65,914	11	77,500	72,124	3,998	0	0	0	0
Colombia	37,644	0	16,062	83,287	79,301	69,306	8,518	0	7,703
Ecuador	0	62	7,635	21,267	37,363	41,622	0	0	0
Peru	22,576	0	6,237	24,527	32,774	54,714	0	33,560	19,1[illegible]2
Venezuela	42,287	65,952	50,245	18,988	19,506	53,572	26[illegible],077	339,039	399,150
Other	563	423	226	31,948	6,270	22,941	7,139	3,208	14,926
Total	168,984	66,448	157,906	252,141	179,202	242,154	284,734	375,807	440,962
Europe:									
Belgium & Luxembourg	366,234	593,327	1,041,369	35	3	3	9,007	21,669	34,390
Czechoslovakia	1,524	1,270	0	NA	NA	0	230,828	174,661	20,950
Denmark	336,965	274,392	165,868	3	1	1	55,422	36,443	10
France	699,036	635,564	628,227	3,569	2,940	0	368,915	159,215	27,291
Germany, Fed. Rep. of	1,263,313	1,451,099	2,024,493	53	81	86	570,029	984,312	738,182
Germany, Dem. R.	3,129	1,600	813	NA	NA	0	379,234	360,631	207,906
Ireland	0	0	0	5	0	0	109,141	46,581	2,810
Italy	886,802	837,965	861,009	0	1	11	678,347	825,961	756,005
Netherlands	4,235,496	5,392,262	4,393,546	2	8,471	1,019	825,029	1,669,211	1,863,723
Norway	236,758	269,562	261,016	NA	NA	18	0	168	233
Poland	201,301	241,637	86,851	23,792	11,831	6,997	343,327	311,423	275,406
Portugal	174,051	120,832	298,126	1	0	0	132,679	70,086	225,860
Romania	260,416	247,631	60,503	NA	NA	0	236,108	292,704	318,291
Spain	1,774,110	1,720,915	1,910,235	0	1	2	213,630	2,698	41,437
Switzerland	45,695	4,318	111,366	0	24	350	20,188	31,659	32,942
United Kingdom	525,750	449,281	518,499	10	52	33	65,746	83,417	69,557
Yugoslavia	251,256	181,311	210,017	0	19,999	6,648	81,329	182,050	139,830
Other	130,216	189,737	205,809	216	244	45	194,889	239,966	242,949
Total	11,391,061	12,612,693	12,877,747	27,686	43,648	15,213	4,513,847	5,492,875	4,987,772

Continent and Country of Destination	Soybeans[1]			Soybean oil[2]			Soybean oilseed cake and meal[3]		
	1979	1980	1981[4]	1979	1980	1981[4]	1979	1980[6]	1981[4] [5]
Soviet Union:	1,816,955	172,942	33,747	24,696	0	0	26,979	0	0
Africa:	45,980	40,504	22,949	58,541	52,844	62,378	8,548	22,622	29,776
Asia:									
China:									
Mainland	412,236	605,688	472,951	58,817	98,657	25,617	0	0	0
Taiwan	1,100,722	935,796	1,062,796	10	27	10	0	10,496	398
India	NA	NA	NA	225,245	366,405	91,708	0	0	0
Indonesia	106,750	202,924	302,597	284	36	48	17,774	18,608	8
Iran	NA	0	0	107,669	0	0	121,363	0	0
Israel	366,018	259,669	300,364	9,794	8,613	5,030	0	0	50
Japan	3,707,192	4,032,866	4,001,380	132	115	19,701	205,066	245,506	82,134
Korea, Rep. of	421,815	564,433	424,581	31	18	97	77,897	0	38,726
Pakistan	0	17	0	163,539	150,221	181,680	0	0	0
Other	83,332	360,823	213,783	64,975	22,583	47,213	142,776	151,930	95,643
Total	6,197,065	6,728,506	6,768,442	630,486	647,675	371,104	564,854	426,539	216,947
Australia & Oceania:	12,658	31,126	21,313	28,942	20,697	26,516	4,481	18,673	7,228
Grand Total	20,890,129	21,778,536	21,830,406	1,129,334	1,096,080	817,867	6,087,713	7,023,787	6,344,614
Value of Exports:									
Total (Mil. $)	5,701	5,880	6,186	769	689	473	1,416	1,664	1,589
Per metric ton	$272.91	$269.98	$283.35	$680.58	$628.50	$679.46	232.67	$236.98	$250.42

Note: Figures computed from unrounded data.

[1] Beginning in 1978, excludes soybeans for planting. [2] Crude and refined oil combined as such. Includes shipments under P.L. 480 as reported by census. Beginning in 1978, excludes partially hydrogenated soybean salad oil. [3] Beginning in 1978, includes soybean flour and meal, non-defatted previously elsewhere classified. [4] Preliminary. [5] Unofficial revisions reported by the Census Bureau. [6] Subject to revision. Source: Foreign Agricultural Service. Compiled form reports of the U.S. Department of Commerce.

IMPORTS, EXPORTS CAKE AND MEAL

Year beginning October 1932-1981

(1,000 Short Tons)

	IMPORTS						EXPORTS					
Year	Cottonseed	Soybean	Linseed	Peanut	Copra	Total	Cottonseed	Soybean	Linseed	Peanut	Copra	Total
1932	3.0	28.3	11.2	†12.3	7.1	51.9	145.8	★	168.0	★	★	313.8
1933	5.0	25.0	8.7	1.2	27.9	67.8	63.1	★	241.7	★	★	304.8
1934	47.4	64.2	10.2	3.5	51.5	176.8	2.9	★	205.5	★	★	208.4
1935	5.7	20.0	17.2	1.9	49.3	94.1	10.6	★	210.6	★	★	221.2
1936	26.8	55.7	15.9	9.6	73.0	181.0	12.6	★	328.8	★	★	341.4
1937	4.6	15.5	5.3	2.2	39.8	67.4	88.5	★	240.3	★	★	328.8
1938	4.4	12.3	7.8	10.5	53.9	88.9	11.6	35.0	286.6	★	★	333.2
1939	33.0	12.1	1.3	9.8	88.4	144.6	4.9	62.3	146.7	★	★	213.9
1940	52.2	8.1	.6	7.5	84.0	152.4	.9	25.4	4.8	★	★	31.1
1941	37.3	0.0	.2	7.1	22.6	67.2	1.1	19.7	11.1	★	★	31.9
1942	46.8	0.0	1.0	4.6	0.0	52.4	1.7	20.9	4.2	.1	.1	27.0
1943	96.3	0.0	2.5	3.6	0.0	102.4	.6	16.1	1.5	.1	.1	18.4
1944	87.4	0.0	10.0	2.5	.1	100.0	—[2]	10.0	.7	.4	.1	11.2
1945	47.6	—[2]	1.2	3.1	1.5	53.4	—[2]	.9	.3	.1	.1	1.4
1946	15.6	0.0	—[3]	1.1	.5	17.2	5.3	141.7	4.6	26.2	5.1	182.9
1947	13.8	0.0	8.8	3.1	7.0	32.7	9.6	95.7	28.5	3.7	0.0	137.5
1948	39.4	3.2	8.1	.9	44.3	95.9	121.7	150.1	54.0	21.1	0.0	346.9
1949	104.8	26.1	4.8	6.2	56.4	198.3	123.6	47.4	6.5	48.9	0.0	226.4
1950	90.7	32.8	1.0	1.1	65.8	191.4	13.2	181.1	29.2	24.0	.3	247.8
1951	201.9	24.1	23.3	5.2	104.2	358.7	35.0	41.8	7.0	2.2	—[2]	86.0
1952	135.6	41.1	26.4	3.5	96.5	303.1	55.2	46.8	—[2]	—[2]	—[2]	102.0
1953	69.8	15.6	.6	.7	79.8	166.5	66.1	66.5	34.2	1.4	★	168.2
1954	32.3	0.0	0.0	0.0	62.8	95.1	167.8	271.7	75.0	1.6	★	516.1
1955	59.4	0.0	0.0	0.0	44.9	104.3	155.7	400.4	152.6	30.0	★	738.7
1956	54.6	.1	2.5	0.0	66.6	123.8	30.1	443.2	42.7	15.0	★	531.0
1957	71.6	1.4	7.9	0.0	67.5	148.4	7.2	300.0	5.9	1.7	★	322.6
1958	127.5	—[2]	4.0	0.0	30.6	162.1	27.3	512.2	31.2	★	★	570.7
1959	32.3	.1	2.1	0.0	8.1	42.6	140.2	648.7	62.6	★	★	851.5
1960	45.8	0.0	2.1	0.0	18.0	65.9	46.2	589.7	30.9	0.0	0.0	666.7
1961	75.5	0.0	2.1	0.0	15.5	93.1	25.8	1063.7	28.1	0.0	0.0	1117.6
1962	42.0	0.0	.7	0.0	8.9	51.6	84.9	1475.7	52.1	0.0	0.0	1612.7
1963	30.1	0.0	.8	0.0	22.9[1]	53.8	54.3	1478.4	61.3	0.0	11.5[1]	1624.2
1964	20.1	0.0	1.2	0.0	13.6[1]	34.9	138.8	2036.1	72.8	0.0	22.6[1]	2270.4
1965	44.4	0.0	1.0	0.0	7.1[1]	52.5	98.8	2601.6	113.7	0.0	53.9[1]	2868.0
1966	58.8	0.0	5.8	0.0	14.8[1]	79.9	7.2	2656.6	93.4	0.0	32.8[1]	2790.1
1967	44.3	0.0	.3	0.0	4.0[1]	48.6	3.3	2899.4	103.7	0.0	81.4[1]	3087.9
1968	29.5	0.0	1.7	0.0	4.0[1]	35.2	15.0	3044.3	78.5	0.0	61.0[1]	3198.9
1969	1.1	0.0	1.9	0.0	6.7[1]	9.7	18.8	4035.3	83.5	0.0	50.5[1]	4188.4
1970	0.0	0.0	1.5	0.0	2.2[1]	3.7	27.0	4559.1	110.1	0.0	76.5[1]	4772.7
1971	.1	0.0	3.0	0.0	10.6[1]	13.7	6.3	3805.4	143.5	0.0	90.3[1]	4045.5
1972	4.3	0.0	2.2	0.0	NA	6.5	24.0	4744.8	142.7	0.0	NA	4911.5
1973	4.6	0.0	13.6	0.0	NA	18.2	69.0	5547.6	106.7	0.0	NA	5723.3
1974	1.0	0.0	0.0	0.0	NA	1.0	11.4	4298.8	143.6	0.0	NA	4453.8
1975	11.4	0.0	0.0	0.0	NA	11.4	24.1	5144.8	143.1	0.0	NA	5312.0
1976	2.0	0.0	1.0	0.0	NA	3.0	50.0	4559.0	87.0	0.0	NA	4696.0
1977	0.0	4.0	4.0	0.0	NA	8.0	115.0	6080.0	158.0	0.0	NA	6353.0
1978	9.0	0.0	2.0	0.0	NA	11.0	150.0	6610.0	118.0	0.0	NA	6878.0
1979	7.0	0.0	2.0	0.0	NA	9.0	175.0	7932.0	76.0	0.0	NA	8159.0
1980	—[3]	0.0	1.0	0.0	NA	1.0	127.0	6778.0	142.0	0.0	NA	6947.0
1981[4]	—	0.0	1.0	0.0	NA	1.0	100.0	7200.0	155.0	0.0	NA	7455.0

★Not separately reported. †Calender year following. [1]Includes copra and other cake and meal no longer separately reported by Census. [2]Less than 50 tons. [3]Less than 500 tons. [4]Forecast.

Source: Analysis Division, Agriculture Stabilization & Conservation Services, U.S. Department of Agriculture.

U.S. SOYBEANS: EXPORTS BY COASTAL AREAS AND COUNTRY OF DESTINATION FROM CANADA AND THE U.S.

September 1980 - August 1981 (1,000 Bushels)

Country	Canadian Ports	Great Lakes	Atlantic	Gulf	Totals 1979-80	Totals 1980-81
Australia	0	0	386	811	665	1,197
Bangledesh	0	0	0	511	0	511
Belgium	312	0	776	24,761	24,423	25,849
Brazil	0	0	0	2,849	2,422	2,849
Bulgaria	0	0	0	788	0	788
Canada	0	10,268	0	0	13,951	10,309[5]
China:						
Mainland	2,172	0	3,201	12,801	31,382	13,174
Taiwan	0	0	2,838	35,868	28,461	38,706
Denmark	107	0	4,645	1,097	12,284	5,849
Dominican Republic	0	0	0	910	1,096	910
Egypt	0	0	0	687	559	687
Equador	0	0	0	276	0	276
France	224	0	2,437	12,943	30,040	15,604
Germany, Fed Rep. of (W)	7	1,238	0	53,916	66,307	55,161
Greece	217	383	0	4,960	5,385	5,560
Guatemala	0	0	0	174	0	174
Haiti	0	0	0	105	0	105
Indonesia	272	625	3,363	6,806	8,620	11,066
Israel	5,596	0	6,872	3,258	15,346	15,726
Italy	0	1,408	909	33,126	41,473	35,443
Jamaica	0	0	0	2,473	2,094	2,473
Japan	4,442	6,139	16,160	112,865	148,081[2]	140,459[6]
Korea, Rep. of	0	0	1,613	15,578	16,448	17,191
Lebanon	0	0	597	552	2,264	1,149
Liberia	0	0	0	183	0	183
Malaysia	775	0	0	878	776	1,653
Mexico	0	0	0	20,657	25,094[3]	33,219[7]
Morocco	191	0	386	0	412	577
Netherlands	4,600	176	0	139,369	202,690	144,145
Nicaragua	0	0	0	528	410	528
Norway	228	1,250	1,713	2,592	10,099	5,783
Philippines	0	0	0	588	435	588
Poland	0	0	4,984	770	11,774	5,754
Portugal	0	0	2,211	5,700	7,484	7,911
Romania	2,404	0	1,213	1,011	12,315	4,628
Singapore	0	554	0	0	143	554
Spain	9,931	5,005	13,175	32,794	91,504	60,905
United Kingdom	1,408	1,697	4,285	12,219	17,098	19,609
Unknown	555	584	0	0	118	1,139
Venezuela	0	0	0	2,633	1,748	2,633
Yugoslavia	0	0	0	8,311	7,533	8,311
Totals: 1979-80	24,062	40,213	112,699	688,476	872,834[4]	—
Totals: 1980-81	33,441	29,327	71,764	556,348	—	704,336[8]

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[1] The quantity of grain inspected at U.S. ports for shipment to Canada is reduced by the amount of U.S. grain exported from Canadian ports as reported by Canadian Grain Commission. It is assumed this residual amount of grain is held in Canada for later export or consumption. [2] Includes 347,000 bushels shipped from Pacific ports. [3] Includes 6,963,000 bushels shipped from Interior points. [4] Includes 7,310,000 bushels shipped from Pacific and Interior points. [5] Includes 41 bushels shipped from Interior points. [6] Includes 853 bushels shipped from Pacific ports. [7] Includes 12,562 bushels shipped from Interior points. [8] Includes 13,456 bushels shipped from Pacific and Interior points.

Source: GRAIN MARKET NEWS, U.S. Department of Agriculture.

U.S. SOYBEANS: INSPECTIONS FOR EXPORT BY GRADES AND BY PORTS

September 1980 - August 1981 (1,000 Bushels)

Ports	No. 1	No. 2	No. 2 or Better	No. 3	No. 3 or Better	Other	Not Inspected	Total
Lakes[1]								
Chicago Area	0	1,701	3,566	684	863	0	0	6,814
Duluth-Superior	0	0	780	0	586	0	0	1,366
Toledo Area	74	12,294	38,698	1,238	362	0	0	52,666
Saginaw Area	0	0	1,922	0	0	0	0	1,922
Subtotal	74	13,995	44,966	1,922	1,811	0	0	62,768
Atlantic								
North	0	0	15,063	0	518	0	0	15,581
South	0	6,074	40,687	1,251	4,829	60	3,282	56,183
Subtotal	0	6,074	55,750	1,251	5,347	60	3,282	71,764
Gulf								
Mississippi River	1,834	2,989	344,097	1,656	88,028	15,325	6,571	460,499
East Gulf	0	0	48,696	0	2,180	0	0	50,876
North Texas Gulf	0	0	36,056	1,108	6,183	0	1,626	44,973
South Texas Gulf	0	0	0	0	0	0	0	0
Subtotal	1,834	2,989	428,849	2,763	96,391	15,325	8,197	556,348
Pacific								
Columbia River	0	0	0	0	0	0	0	0
Puget Sound	0	200	0	71	0	0	0	271
California	0	213	0	76	290	3	0	582
Subtotal	0	413	0	147	290	3	0	863
Interior	601	10,342	0	1,475	0	1	184	12,603
Subtotal	601	10,342	0	1,475	0	1	184	12,603
Totals;								
Sept. 1980-Aug. 1981	2,509	33,813	529,565	7,558	103,839	15,389	11,663	704,336
Sept. 1979-Aug. 1980	693	111,455	598,596	14,868	104,283	14,389	28,560	872,834

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[1] Includes water shipments to Canada. Source: GRAIN MARKET NEWS.

SOY AND COTTONSEED OIL EXPORTS

U.S. Exports for Dollars and under P.L. 480
By Country of Destination, and Total Value, 1977-1980[1]

Year Beginning in October

Country of Destination	1977 P.L. 480	1977 Com.[2]	1977 Total	1978 P.L. 480	1978 Com.[2]	1978 Total	1979 P.L. 480	1979 Com.[2]	1979 Total	1980 P.L. 480	1980 Com.[2]	1980 Total
						Million Pounds						
North America												
Canada	—	70	70	—	59	59	—	44	44	—	23	23
Dominican Republic	1	53	54	20	135	155	2	111	113	2	126	128
Haiti	3	27	30	3	35	38	6	45	51	6	43	49
Mexico	—	66	66	—	11	11	—	70	70	—	48	48
Others	—	46	46	—	88	88	—	148	148	10	122	138
Total	4	262	266	23	328	351	8	418	426	18	362	380
South America												
Argentina	—	—	—	—	—	—[3]	—	—	—[3]	—	—	—[3]
Brazil	—	—	—	—	—	—	—	168	168	—	—	—
Chile	3	46	49	2	48	50	1	28	29	2	48	50
Colombia	—	97	98	—[3]	185	185	—[3]	182	182	—	133	133
Ecuador	—[3]	57	57	—[3]	50	50	—[3]	78	78	1	84	85
Peru	11	140	151	29	36	65	7	73	80	10	81	91
Venezuela	—	96	96	1	94	95	—	181	181	—	358	358
Others	2	4	4	—	10	10	—	3	3	—	8	8
Total	16	439	455	32	423	456	8	713	721	13	712	725
Western Europe												
Spain	—	—	—	—	—	—	—	—[3]	—[3]	—	2	2
Sweden	—	5	5	—	—[3]	—[3]	—	1	1	—	—[3]	—[3]
Germany, West	—	23	23	—	3	3	—	—[3]	—[3]	—	—[3]	—[3]
Netherlands	—	36	36	—	9	9	—	27	27	—	18	18
Greece	—	—	—	—	—[3]	—[3]	—	9	9	—	10	10
Italy	—	—[3]	—[3]	—	[3]	—[3]	—	—[3]	—[3]	—	—[3]	—[3]
Belgium-Luxembourg	—	4	4	—	1	1	—	—[3]	—[3]	—	—[3]	—[3]
United Kingdom	—	6	6	—	5	5	—	1	1	—	3	3
Others	—	29	29	—	9	9	—	7	7	—	—	—
Total	—	103	103		27	27	—	45	45	—	33	33
Eastern Europe												
Poland	—	3	3	—	52	52	—	8	8	—	34	34
Yugoslavia	—	—	—	—	—	—	—	—	—	—	59	59
Others	—	—	—	—	—	—	—	54	54[4]	—	2	2
Total	—	3	3	—	52	52	—	62	62[4]	—	95	95
Africa												
Algeria	1	—		—	—	—[3]	—	—	—[3]	—	—	—
Egypt	5	433	[illegible]	13	315	328	12	347	359	8	166	174
Guinea	6	—	6	4	—	4	—	—	—[3]	—	3	3
Morocco	6	6	12	5	8	13	5	—	5	10	1	11
Tunisia	2	4	6	3	13	16	1	—	1	4	—	4
Others	—	51	51	31	33	64	—	96	96	8	91	99
Total	20	494	514	56	369	425	18	443	461	30	261	291
Asia and Oceania												
Australia	—	49	49	—	36	36	—	36	36	—	36	36
Bangladesh	58	30	88	17	84	101	—	46	46	1	55	56
Burma	—	—	—	—	—	—	—	—	—	—	—	—
China:												
Mainland	—	234	234	—	130	130	—	220	220	—	56	56
Taiwan	—	—	—	—	—	—	—	—	—	—	—[3]	—[3]
Hong Kong	—	8	8	—	4	4	—	—	—	—	—[3]	—[3]
India	116	430	546	57	342	399	48	895	943	58	138	196
Iran	—	207	207	—	489	489	—	—	—	—	—	—
Israel	—	14	14	—	22	22	—	21	21	—	11	11
Japan	—	59	59	—	82	82	51	—	51	—	101	101
Pakistan	136	98	234	19	341	360	135	190	325	23	254	277
South Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Turkey	—	—	—	—	—	—	—	7	7	—	—	—
Others	35	—	35	60	2	62	54	—	54	8	73	81
Total	345	1,129	1,474	153	1,532	1,685	288	1,415	1,703	90	724	814
Grand Total	385	2,430	2,815	264	2,731	2,995	322	3,096	3,418	151	2,187	2,338
Value of exports												
Total (mil. $)			746			903			995			662
Per Pound (cents)			26.5			30.2			29.1			28.3

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[1] Census data. Breakdown between Public Law 400 and commercial provided by the Oilseeds and Products Division, FAS. [2] Includes Barter, CCC credits. [3] Less than 500,000 pounds. [4] Includes 54 million pounds to the Soviet Union.

EXPORTS VEGETABLE OILS

Soy and Cottonseed Oils: U.S. exports for dollars and under Public Law 480 programs, 1950-80

	Dollars				P.L. 480				
Year[1]	Barter	CCC Credit	Other[2]	Total	Title I[3]	Title II[3]	Total	Grand Total	% P.L.480
				Million Pounds					
				SOY OIL					
1950	—	—	490	490	—	—	—	490	—
1955	—	--	274	274	282	—	282	556	51
1960	—	—	283	283	417	21	438	721	61
1961	—	—	624	624	466	218	684	1,308	52
1962	—	—	513	513	540	112	652	1,165	56
1963	31	—	509	540	520	45	565	1,106	51
1964	131	—	477	608	539	193	732	1,340	55
1965	176	21	182	379	324	220	544	923	59
1966	132	47	90	269	522	286	808	1,077	75
1967	67	18	47	132	618	213	831	963	86
1968	75	—	54	129	573	168	741	870	85
1969	444	53	145	642	604	174	778	1,420	55
1970	599	209	131	939	564	239	803	1,742	46
1971	202	273	188	663	394	341	735	1,398	53
1972	98	190	390	678	177	210	387	1,065	36
1973	—	—	1,159	1,159	168	108	276	1,435	19
1974	—	—	884	884	33	111	144	1,028	14
1975	—	—	779	779	182	15	197	976	20
1976	—	—	1,213	1,213	266	69	335	1,548	22
1977	—	—	1,672	1,672	291	94	385	2,057	19
1978	—	—	2,081	2,081	71	182	253	2,334	11
1979	—	203	2,176	2,379	127	236	363	2,690	13
1980[4]	—	186	1,486	1,486	18	125	143	1,629	9
				COTTONSEED OIL					
1950	—	—	57	57	—	—	—	57	—
1955	3	—	306	309	290	6	296	605	49
1960	—	—	287	287	68	14	82	369	22
1961	—	—	183	183	202	86	288	471	61
1962	—	—	206	206	132	51	183	389	47
1963	—	—	328	328	221	35	256	584	44
1964	73	—	367	440	106	93	199	639	31
1965	51	—	154	205	65	2	67	272	25
1966	38	4	33	75	—	1	1	76	1
1967	19	—	28	47	—	2	2	49	4
1968	69	—	68	137	—	2	2	139	1
1969	43	60	348	451	—	1	1	452	—[5]
1970	186	22	153	361	9	1	10	371	3
1971	182	50	214	446	55	1	6	452	1
1972	232	89	255	576	6	—	6	582	1
1973	—	—	563	563	—	—	—	563	—
1974	—	—	685	685	—	—	—	685	—
1975	—	—	507	507	—	—	—	507	--
1976	—	—	690	690	—	—	—	690	—
1977	—	—	758	758	—	—	—	758	—
1978	—	—	650	650	11	—	11	661	2
1979	—	—	710	710	18	—	18	728	2
1980[4]	—	—	701	701	8	—	8	709	1

[1] Year beginning in October. [2] Includes dollar financing by AID. [3] Includes all sales programs, i.e., foreign currencies, which agencies and disaster and other relief by AID. [4] Preliminary. [5] Insignificant. Source: Total exports as reported by Bureau of Census. Breakdown between dollars and P.L.480 from Oilseeds and Products Division, FAS.

Terms used in conjunction with the processing of soybeans and the utilization of soy oil and other soy products.

Soybean(s) — A legume, the botanical name of which is Glycine max (L.) Merrill; a summer annual varying in height from less than a foot to more than 6 feet and in habit of growth from stiffly erect to prostrate; the cultivated plant may reach a height of 3 feet or more; the seeds (soybeans) are borne in pods that grow in clusters of three to five with each pod usually containing two or three or more seeds; the oil content of the soybean varies from 13% to 26% (average 18% to 22%) and from 38% to 45% of protein (on a moisture-free basis); grown for centuries in the Orient and first introduced to the United States early in the 19th century; soybeans grow best in areas having hot, damp summer weather but they can be grown under a great variety of climatic conditions; the term "soybean" has been accepted as standard in the United States in preference to "soya bean," "soy bean," "soyabean," or "soja bean"; it is incorrect to use the term "beans" when referring to soybeans.

Soybean Processor — An individual, or a group of two or more individuals working together as a company or firm, whose primary business is the separation of the oil and meal in soybeans; the activities of a processor may also include refining and/or distribution of the oil as well as distribution of the soybean meal or soy protein.

Soybean Processing — The procedures involved in the separation of the oil and the protein meal; there are two types of processes presently used in the United States for this purpose:

(1) **Solvent Extraction** — The process whereby the oil is leached or washed (extracted) from flaked soybeans by the use of hexane as the solvent; the level of oil in the extracted flakes can be reduced to 1% or less by this processing method; the products resulting from the use of this process are designated in the trade as "solvent extracted," e.g. "solvent extracted soybean meal," "dehulled solvent extracted soybean meal," "solvent extracted soy grits," "solvent extracted soy flour." Practically all soybeans processed in the United States are processed by the solvent extraction system.

(2) **Mechanical Processing** — A continuous pressing process, at elevated temperatures, using expellers or screw presses which utilize a worm shaft continuously rotating within a pressing cylinder or cage to express the oil from soybeans after they have been ground and properly conditioned; the oil content of the resulting press cake is reduced to from 4% to 6% by this processing method; although technically incorrect, the products resulting from this type of processing are often referred to as "expeller," e.g. "expeller soybean meal," the term "Expeller" applies specifically to the screw press manufactured by Anderson IBEC of Strongsville, Ohio, whereas the screw press manufactured by the French Oil Mill Machinery Co. of Piqua, Ohio, is designated as a "mechanical screw press."

A third type of processing, called **Hydraulic Pressing**, is not used at present in the United States to any appreciable extent but is used in some parts of the world for recovering the oil from soybeans and other oil-bearing materials; it is the oldest process known to the vegetable oil processing industry; it consists of an intermittent pressing operation carried out at elevated temperatures in a hydraulic press after the soybeans have been rolled into flakes and properly conditioned by heat treatment.

Crude Soy Oil — Sometimes referred to as crude raw soybean oil; the unrefined oil produced by any one of the procedures described for the processing of soybeans; it is customary to filter the oil and/or allow it to settle after being processed from the soybeans as required by the standard trade specifications.

A mixture of triglycerides composed of unsaturated fatty acids (oleic, linoleic, linolenic) and saturated fatty acids, together with usually not more than 1.5% of free fatty acids and from 1.8% to 3.2% of phospholipids, depending on the quality and kind of soybeans and the procedure used in the processing.

Edible Crude Soy Oil — Soy oil which shall be of any of the following designated types produced from domestic-grown, mature yellow soybeans: (1) expeller pressed, (2) expeller pressed degummed, (3) hydraulic pressed, (4) hydraulic pressed degummed, (5) solvent extracted, (6) solvent extracted degummed and (7) mixtures of any of the above-described types; when the oil is produced by solvent extraction, the name of the solvent used in the process must be given.

Degummed Soy Oil — Sometimes referred to as crude degummed soy oil; the product resulting from washing crude soy oil with water and/or steam or another degumming agent for a specified period of time and then separating the oil-and-water mixture, usually by centrifugation, to remove the phosphatides; it shall not contain more than 0.02% of phosphorus without a discount penalty.

Once Refined Soy Oil — Oil produced from crude soy oil which has been subjected only to the dilute alkali solution (refining) treatment or a comparable chemical treatment.

Fully Refined Soy Oil — The oil produced from crude or degummed soy oil which has been treated with dilute alkali solution (refining), decolorized by treatment with absorbent clay materials (bleaching) and subjected to steam distillation at high temperatures under vacuum (deodorizing).

Edible Refined Soy Oil — Crude or degummed soy oil which has been subjected to special refining processes to adapt it specifically for use in food products; in addition to treatment with alkali, bleaching, partial hydrogenation and deodorization, the oils may be also winterized; these oils are further classified as salad oils, cooking oils or shortenings.

Hydrogenated Soy Oil — During the process of hydrogenation, the soy oil is exposed to hydrogen gas in the presence of heat and a catalyst (nickel, copper chromite) and the hydrogen combines with certain of the chemical components (unsaturated fatty acids) of the triglycerides with a resultant increase in the melting point of the oil; sometimes referred to as "hardening."

Cold Pressed Soy Oil — Soy oil produced from domestic-grown, undamaged, mature, cleaned yellow soybeans by mechanical processing without application of heat, and then filtered. Such oil is usually sold in health food stores.

Winterized Oil — Oil which has been treated in a manner to partially remove the saturated glycerides which have relatively high melting points are soluble only to a limited extent in the unsaturated glycerides; the process consists of chilling the oil slowly and then maintaining it at 5 degrees C (41 degrees F) for a specified period of time and removing the crystallized glycerides from the liquid fraction of the oil by the use of filter presses; soy oil does not require winterizing unless it has been partially hydrogenated to increase stability.

Technical Grade Refined Soy Oil — Includes a wide variety of soy oils that are specially refined and further processed to meet requirements and/or specifications for a definite industrial use.

Soybean Fatty Acids — The product obtained when glycerine is split off from the triglycerides in soy oil by any method of hydrolysis; in the field of industrial usage, soybean fatty acids are usually further classified according to the treatment to which they are subjected subsequent to hydrolysis.

Soybean Soapstock — The byproduct that results from the alkali refining of soy oil; averages about 6% of the volume of crude oil refined; sometimes referred to as "foots" since it accumulates at the bottom (foot) of the refining tank; contract grade should contain not less than 30% total fatty acid.

Acidulated Soybean Soapstock — The product that results from the complete acidulation of soybean soapstock; contract grade should contain not less than 85% total fatty acid.

Soybean Lecithin — The mixed phospholipids product obtained from soy oil by the degumming process, contains lecithin, cephalin and inositol phosphatides, together with glycerides of soy oil and traces of tocopherols, glucosides and pigments; it shall be designated and sold according to conventional descriptive grades with respect to consistency and bleaching, the dehydrated emulsion of mixed phosphatides and soy oil is further processed to produce the commercial grades which may be described as follows: plastic or firm consistency; soft consistency; fluid; unbleached; bleached; and double bleached high-quality commercial lecithin contains 60% to 65% phosphatides.

Break Material — Flocculent material (precipitate) that appears in and can be separated from crude soy oil that has been rapidly heated to temperatures between 250 degrees C and 300 degrees C (482 degrees F and 572 degrees F); found to be very high in ash content, rich in phosphorus, calcium and magnesium; presumed to be derived from phospholipids which are thermally decomposed at these high temperatures; sometimes referred to as "foots."

Sludge — The solid residue which settles to the bottom of the tank or car in which crude soy oil is stored or shipped; cannot be pumped out or removed by rubber-faced scrapers from the surface to which it adheres; steam must be applied to facilitate its removal; sometimes referred to as "tank bottoms" or "foots."

STANDARD SPECIFICATIONS

These have been adopted for certain soy products as follows by the National Soybean Processors Association (NSPA), AAFCO, and the IFN specifications, and made a part of their Trading Rules governing purchase and sale of soybean meal in the United States:

Soybean Cake, Soybean Chips, Expeller Soybean Meal—The product after the extraction of part of the oil by pressure or solvents from soybeans. A name descriptive of the process of manufacture, such as expeller, hydraulic or solvent extracted shall be used as part of the brand name. It shall be designated and sold according to its protein content.

Protein	Minimum	41.0%
Fat	Minimum	3.5%
Fiber	Maximum	6.5%
Moisture	Maximum	12.0%

Urease Activity-Range (as increase in pH)[1] 0.05-0.20[2]

Bulk Density Range
36 to 40 pounds/cubic foot.

Screen Analysis
95-100% through U.S. Screen #10. 40-60% through U.S. Screen #20. Maximum 6.0% through U.S. Screen #80.

Performance Criteria	Minimum	Maximum
P.D.I. and/or N.S.I.[3]	15.0%	30.0%
P.E.R. (Protein Efficiency Ratio)[4]	2.3	–
Chick Weights—4 weeks: in grams[5]	500.0	–

[1] Urease Activity, A.O.C.S. Tentative Method Ba 9-58.

[2] If the Soybean Meal is to be used in a mixture containing a significant level of soy, (20% or more) 5% or more of urea and 20% or more of molasses, or if a similar soya-urea mixture is to be exposed to hot, humid storage conditions, then it is advisable that the urease activity of the soybean meal does not exceed 0.12 increase in pH.

[3] P.D.I.—Protein Dispersibility Index, AOCS Tentative Method Ba 10-65, or N.S.I.—Nitrogen Solubility Index, AOCS Tentative Method Ba 11-65.

[4] P.E.R.—Protein Efficiency Ratio: Biological Evaluation of Protein Quality Official Methods, AOAC 11th Edition.

[5] Using a medium energy "Carrick" type of corn-soy diet.

Soybean Flakes, 44% Protein Soybean Meal—44% Soybean Meal is produced by cracking, heating and flaking soybeans and reducing the oil content of the conditioned product by the use of hexane or homologous hydrocarbon solvents to 1% or less on a commercial basis.

The extracted flakes are cooked and ground into meal. The meal will not contain viable weed seeds. The meal may contain a nontoxic conditioning agent to reduce caking and improve flowability in an amount not to exceed that necessary to accomplish its intended effect and in no case exceed 0.5%. The name of the conditioning agent must be shown as an added ingredient on the label.

Protein	Minimum	44.0%
Fat	Minimum	0.5%
Fiber	Maximum	7.0%
Moisture	Maximum	12.0%

Urease Activity-Range (as increase in pH)[1]	0.05-0.20[2]

Bulk Density Range
35 to 38 pounds/cubic foot.

Screen Analysis
95-100% through U.S. Screen #10. 40-60% through U.S. Screen #20. Maximum 6.0% through U.S. Screen #80.

Performance Criteria	Minimum	Maximum
P.D.I. and/or N.S.I.[3]	15.0%	30.0%
P.E.R. (Protein Efficiency Ratio)[4]	2.3	—
Chick Weights— 4 weeks: in grams[5]	500.0	—

Dehulled Soybean Meal—Dehulled Soybean Meal is produced by cracking, heating and flaking soybeans and reducing the oil content of the conditioned product by the use of hexane or homologous hydrocarbon solvents to 1% or less on a commercial basis. The extracted flakes are cooked and ground into meal. The meal will not contain viable weed seeds. The meal may contain a nontoxic conditioning agent to reduce caking and improve flowability in an amount not to exceed that necessary to accomplish its intended effect and in no case exceed 0.5%. The name of the conditioning agent must be shown as an added ingredient on the label.

Protein	Minimum	48-50%
Fat	Minimum	0.5%
Fiber	Maximum	3.0-3.5%
Moisture	Maximum	12.0%

Urease Activity-Range (as increase in pH[1])	0.05-0.20[2]

Bulk Density Range
41 to 42 pounds/cubic foot.

Screen Analysis
95-100% through U.S. Screen#10. 40-60% through U.S. Screen #20. Maximum 6.0% through U.S. Screen #80.

Performance Criteria	Minimum	Maximum
P.D.I. and/or N.S.I.[3]	15.0%	30.0%
P.E.R. (Protein Efficiency Ratio)[4]	2.4	—
Chick Weights— 4 weeks; in grams[5]	600.0	—

Soybean Mill Feed and Soybean Mill Run—Two products are involved with somewhat different analysis. The type of product available depends on where the hulls are removed in the extraction process.

Soybean mill feed is produced by allowing the hulls to go through the extraction process with the meal. At the end they are removed by air aspiration. The process leaves some soybean meal and soybean flour with the hulls. Soybean mill feed is then composed of soybean hulls and the offal from the tail of the mill in the manufacture of soy flour or grits.

Soy mill run is produced by removing the hulls in the beginning of the extraction process. It is composed of soybean hulls and such soybean meal as adheres to the hulls in the normal milling operations in the production of dehulled soybean meal.

	Soybean Mill Feed	Soybean Mill Run
Crude Protein	13-15%	10-12%
Crude Fat	1-2%	1-2%
Crude Fiber	32-34%	35-40%
Moisture	9-11%	9-11%

Bulk Density
25 to 27 pounds/cubic foot.

Screen Analysis
95-100% through U.S. Screen #10. 40-60% through U.S. Screen #20; and a maximum 6% through U.S. Screen #80.

SOY PROTEIN

The following terms and their definitions are quite widely used and accepted in the trade in conjunction with the production and utilization of soy flour and other soy products.

Protein — A naturally occurring combination of amino acids, containing the chemical elements carbon, hydrogen, oxygen, nitrogen and usually sulphur; one of the essential constituents of all living things and of the diet of the animal organism.

Amino Acids — Chief components and determinants of the characteristics of a protein; the building blocks of living tissues. Eighteen different amino acids commonly occur in our food supply and eight are considered essential because the body cannot make them.

[1] Urease Activity, A.O.C.S. Tentative Method Ba 9-58.

[2] If the Soybean Meal is to be used in a mixture containing a significant level of soy, (20% or more) 5% or more of urea and 20% or more of molasses, or if a similar soya-urea mixture is to be exposed to hot, humid storage conditions, then it is advisable that the urease activity of the soybean meal does not exceed 0.12 increase in pH.

[3] P.D.I.—Protein Dispersibility Index, AOCS Tentative Method Ba 10-65, or N.S.I.—Nitrogen Solubility Index, AOCS Tentative Method Ba 11-65.

[4] P.E.R.—Protein Efficiency Ratio: Biological Evaluation of Protein Quality Official Methods, AOAC 11th Edition.

[5] Using a medium energy "Carrick" type of corn-soy diet.

glossary...

Soy Grits and/or Flour — The ground, screened, graded product obtained after extracting most of the oil from selected, sound, clean, dehulled soybeans. They are produced from grinding the defatted soy flakes. Grits are coarser ground than soy flour. Protein range is 40% to 60%.

Defatted Soy Flour — Flour produced by the nearly complete removal of the oil from soybeans by the use of hexane or other homologous hydrocarbon solvents; usually contains about 1% of fat.

Low-fat Soy Flour — Flour produced either by partial removal of the oil from soybeans or by adding back soy oil and/or lecithin to defatted soy flour to specified level, usually in the range of 5% to 6%.

High-fat Soy Flour — Flour produced by adding back soy oil and/or lecithin to defatted soy flour to a specified level, usually in the range of 15%.

Full-fat Soy Flour — Flour containing all of the oil originally present in the raw soybeans; usually contains 18% to 20% of fat.

SOY PRODUCTS

The following have been adopted officially by the American Feed Control Officials Inc. (AFCO):

Ground Soybeans — The product obtained by grinding whole soybeans without cooking or removing any of the oil; [sometimes erroneously called "soybean meal."] (Adopted 1933.)

Soybean Hulls — The product consisting primarily of the outer covering of the soybean. (Adopted 1948.) NSPA states that a typical analysis is 13% moisture.

Solvent Extracted Soybean Feed — The material resulting from the partial removal of protein-free and nitrogen-free extract from dehulled, solvent extracted soybean flakes; it shall be designated and sold according to its protein content. (Adopted 1948. Amended 1960 and 1964.)

Soybean Meal — The product obtained by grinding the cake, chips or flakes which are products obtained by removal of most of the oil from soybeans by several methods, hydraulic, expeller and solvent extracted, respectively; the name must include one of the terms "Hydraulic," "Expeller" or "Solvent Extracted" to indicate the method of manufacture of the source material; heat shall be applied during the process; it may be sold in various physical forms other than "meal," such as "cubes," "pellets," "pea size," "cake," "chips" or "flakes"; it must be designated and sold according to its protein content [and shall contain not more than 7% crude fiber.] (Proposed 1960. Adopted 1961.)

Dehulled Solvent Extracted Soybean Meal — The product obtained by grinding flakes which are obtained by removing most of the oil from dehulled soybeans; heat shall be applied during the process; it must be designated and sold according to its protein content and must not contain more than 3% crude fiber. (Proposed 1960, Adopted 1961.) NSPA states not more than 3.3% fiber, not less than 49% protein and not greater than 0.5% fat.

Heat Processed Soybeans — The product resulting from heating whole soybeans without removing any of the component parts; it may be ground, pelleted, flaked or powdered; it shall be sold according to its protein content. (Proposed 1960, Adopted 1964.)

Lecithinated Soy Flour — A type of low-fat or high-fat soy flour in which lecithin is added to defatted soy flour to a specified level, usually in a range up to 15%.

Soy Protein Concentrate — Produced from defatted soybean flakes or flour by a process which immobilizes the protein and removes soluble sugars, mineral, etc. Concentrate has a protein content of 70%.

Isolated Soy Protein — Protein which has been greatly concentrated from its native location by chemical or mechanical means. It is produced by extracting white flakes or flour with water or a mild alkali. Isolate generally has a protein content of 90%.

Textured Vegetable Protein — Soy or other vegetable protein that has texture imparted by spinning a fiber and combining the fiber in layers to achieve the desired texture, or by a thermoplastic extrusion process.

Meat Analogs — Material usually prepared from vegetable protein to resemble specific meats in texture, color and flavor.

Meat Extenders — Use of soy or other vegetable proteins as partial substitutes for meat in processed items such as patties, chili, casseroles, etc.

Toasting — The term commonly but erroneously applied to the processes (moist) of cooking soybean meal, flour or grits by atmospheric or pressure methods for the purpose of increasing the protein efficiency of these soy products or improving their functional properties and/or improving physical texture.

UNITED STATES STANDARDS FOR SOYBEANS*

Revised Effective
September 8, 1977

SECTIONS
26.601 Terms defined.
26.602 Principles governing application of standards.
26.603 Grades, grade requirements and grade designations.

AUTHORITY
26.601 to 26.603 issued under Sec. 8, 39 Stat. 485; 7 U.S.C. 84. Interpret or apply Sec. 2, 39 Stat. 482, as amended; 7 U.S.C. 74.

26.601 **Terms defined**—For the purposes of the United States Standards for Soybeans:

(a) **Soybeans.** Soybeans shall be any grain which consists of 50% or more of whole or broken soybeans which will not pass readily through an 8/64 sieve and not more than 10% of other grains for which standards have been established under the United States Grain Standards Act.

(b) **Classes.** Soybeans shall be divided into the following five classes: yellow soybeans, green soybeans, brown soybeans, black soybeans and mixed soybeans.

(c) **Yellow soybeans.** Yellow soybeans shall be any soybeans which have yellow or green seed-coats and which in cross section are yellow or have a yellow tinge and may include not more than 10% of soybeans of other classes.

(d) **Green soybeans.** Green soybeans shall be any soybeans which have green seed-coats and which in cross section are green and may include not more than 10% of soybeans of other classes.

(e) **Brown soybeans.** Brown soybeans shall be any soybeans with brown seed-coats and may include not more than 10% of soybeans of other classes.

(f) **Black soybeans.** Black soybeans shall be any soybeans with black seed-coats and may include not more than 10% of soybeans of other classes.

(g) **Mixed soybeans.** Mixed soybeans shall be any mixture of soybeans which does not meet the requirements of the classes yellow soybeans, green soybeans, brown soybeans or black soybeans. Bicolored soybeans shall be classified as mixed soybeans.

(h) **Grades.** Grades shall be the U.S. numerical grades, U.S. sample grade and special grades provided for in 26.603.

(i) **Bicolored soybeans.** Bicolored soybeans shall be soybeans with seed-coats of two colors, one of which is black or brown.

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*The specifications of these standards shall not excuse failure to comply with the provisions of the Federal Food, Drug and Cosmetic Act.

(j) **Splits.** Splits shall be pieces of soybeans that are not damaged.

Damaged kernels. Damaged kernels shall be soybeans and pieces of soybeans which are heat-damaged, sprouted, frosted, badly ground-damaged, badly weather-damaged, moldy, diseased, stinkbug-stung, or otherwise materially damaged. Stinkbug-stung kernels shall be considered damaged kernels at the rate of one-fourth of the actual percentage of the stung kernels.

(l) **Heat-damaged kernels.** Heat-damaged kernels shall be soybeans and pieces of soybeans which are materially discolored and damaged by heat.

(m) **Foreign material.** Foreign material shall be all matter, including soybeans and pieces of soybeans, which will pass readily through an 8/64 sieve and all matter other than soybeans remaining on such sieve after sieving.

(n) **Stones.** Stones shall be concreted earthy or mineral matter and other substances of similar hardness that do not disintegrate readily in water.

(o) **8/64 sieve.** An 8/64 sieve shall be a metal sieve 0.032 inch thick perforated with round holes 0.125 (8/64) inch in diameter with approximately 4,736 perforations per square foot.

26.602 **Principles governing application of standards.** The following principles shall apply in the determination of the classes and grades of soybeans:

(a) **Basis of determination.** Each determination of class, splits, damaged kernels, heat-damaged kernels and of black, brown and/or bicolored soybeans in Yellow or Green soybeans, shall be upon the basis of the grain when free from foreign material. All other determinations shall be upon the basis of the grain as a whole.

(b) **Percentages.** All percentages shall be upon the basis of weight. The percentage of splits shall be expressed in terms of whole percents. All other percentages shall be expressed in terms of whole and tenths percents.

(c) **Moisture.** Moisture shall be ascertained by the air-oven method prescribed by the United States Department of Agriculture, as described in Service and Regulatory Announcement No. 147, issued by the Agricultural Marketing Service or ascertained by any method which gives equivalent results.

(d) **Test weight per bushel.** Test weight per bushel shall be the weight per Winchester bushel as determined by the method prescribed by the United States Department of Agriculture, as described in Circular No. 921 issued June 1953 or as determined by any method which gives equivalent results.

26.603 **Grades, grade requirements and grade designations.** The following grades, grade requirements and grade designations are applicable under these standards:

(a) **Grades and grade requirements for soybeans.** (see paragraph (c) of this section and table below).

(b) **Grade designation.** The grade designation for soybeans shall include in the order named, the letters "U.S."; the number of the grade or the words "Sample grade," as the case may be; the name of the class and the name of each applicable special grade. In case of mixed soybeans the grade designation shall also include, following the name of the class, the approximate percentages of yellow, green, brown, black and bicolored soybeans in the mixture.

MAXIMUM LIMITS OF

Grade	Minimum test weight per bushel pounds	Moisture	Splits	Damaged kernels Total	Damaged kernels Heat damaged	Foreign material	Brown, black and/or bicolored soybeans in yellow or green soybeans
1	56	13.0%	10%	2.0%	0.2%	1.0%	1.0%
2	54	14.0	20	3.0	0.5	2.0	2.0
3†	52	16.0	30	5.0	1.0	3.0	5.0
4‡	49	18.0	40	8.0	3.0	5.0	10.0

U.S. sample grade: U.S. Sample grade shall be soybeans which do not meet the requirements for any of the grades from U.S. No. 1 to U.S. No. 4, inclusive; or which are musty, sour or heating; or which have any commercially objectionable foreign odor; or which contain stones or which are otherwise of distinctly low quality.

†Soybeans which are purple mottled or stained shall be graded not higher than U.S. No. 3. ‡Soybeans which are materially weathered shall be graded not higher than No. 4.

(c) **Optional grade designations.** Soybeans may be certificated (under certain conditions**), when supported by official analysis, as "U.S. No. 2 or better Soybeans," "U.S. No. 3 or better Soybeans," etc. The optional grade designation for soybeans shall include the name of the class immediately preceding the word "soybeans" in the grade designation. The special grade designation, when applicable, also shall be included (under certain conditions**) in the certification.

(d) **Special grades. special grade requirements and special grade designations for soybeans:**

(1) **Garlicky soybeans—(i) Requirements.** Garlicky soybeans shall be soybeans which contain five or more garlic bulblets in 1,000 grams.

(ii) **Grade designation.** Garlicky soybeans shall be graded and designated according to the grade requirements of the standards applicable to such soybeans if they were not garlicky and there shall be added to and made a part of the grade designation the word "garlicky."

(2) **Weevily soybeans—(i) Requirements.** Weevily soybeans shall be soybeans which are infested with live weevils or other live insects injurious to stored grain.

(ii) **Grade designation.** Weevily soybeans shall be graded and designated according to the grade requirements of the standards applicable to such soybeans if they were not weevily and there shall be added to and made a part of the grade designation the word "weevily."

INTERPRETATIONS (added)

26.901 **Interpretation with respect to the term "Distinctly low quality."**

The term "distinctly low quality," when used in the United States Standards for Grain, shall be construed to include grain which contains more than two crotalaria seeds (Crotalaria spp.) in 1,000 grams of grain.

26.902 **Interpretation with respect to the term "purple mottled or stained."**

The term "purple mottled or stained," when used in the United States Standards for Soybeans [see 26.603 (a)] shall be construed to include soybeans which are discolored by the growth of a fungus; or by dirt; or by a dirtlike substance including nontoxic inoculants; or by other nontoxic substances.

26.903 **Interpretation with respect to the term "Bicolored soybeans."**

The term "bicolored soybeans," when used in the United States Standards for Soybeans [see 26.601 (i)], shall be construed to include any soybeans with seed-coats of two colors, one of which is black or brown, when the black and/or brown color covers 50 percent or more of the seed-coat. The hilum of a soybean shall not be considered a part of the seed-coat.

SOY FLOUR STANDARDS

	Full-fat soy flour	**Low-fat soy flour**	**Defatted soy flour**
Protein (Nx 6.25)*	40.0% Min.	45.0% Min.	50.0% Min.
Protein (Nx 5.7)*	36.5% Min.	41.0% Min.	45.0% Min.
Fat (Ether Extract)*	18.0% Min.	4.5—9.0% Max.	2.0% Max.
Fibre*	3.0% Max.	3.3% Max.	3.5% Max.
Moisture	8.0% Max.	8.0% Max.	8.0% Max.
Ash*	5.5% Max.	6.5% Max.	6.5% Max.

Screen: 97% through No. 100 U.S. Standard Screen for each of the above.
*Moisture free basis.

Definition

The Products shall be processed from high quality, sound, clean, dehulled yellow soybeans as defined in the United States Grain Standards Act. The soybeans shall be subjected to a thorough initial cleaning operation, that shall substantially remove all foreign material. Disagreeable flavors and odors shall be removed by subjecting the soy material to adequate processing.

Soy flour shall be prepared and packaged under modern sanitary conditions.

The soy flour shall be free from burnt, musty, rancid or other undesirable flavors or odors; free from burnt, scorched or grayish color and free from insects, insect webbing, dirt or other extraneous matter.

**The conditions are listed in the Grain Inspection Manual, GR Instruction 918.6. Copies may be obtained from the Inspection Division, Federal Grain Inspection Service, U.S. Department of Agriculture, 1400 Independence Avenue, S.W., Washington, D.C. 20250.

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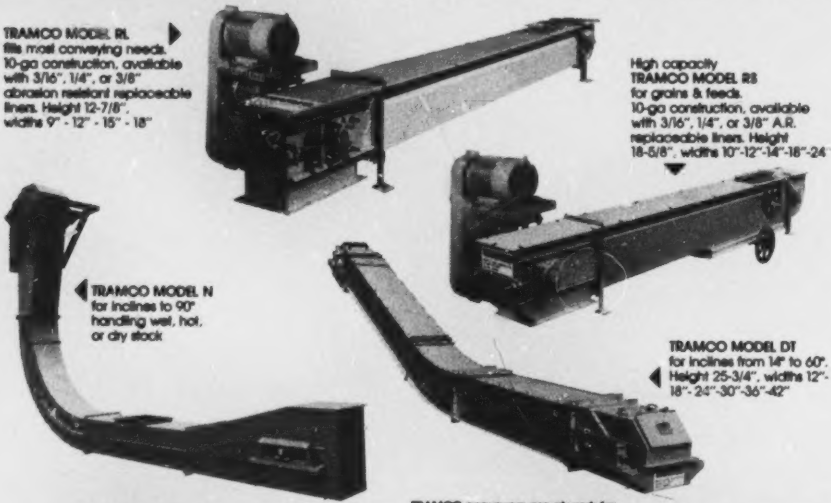

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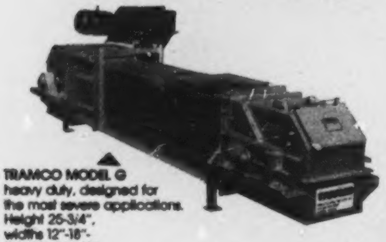

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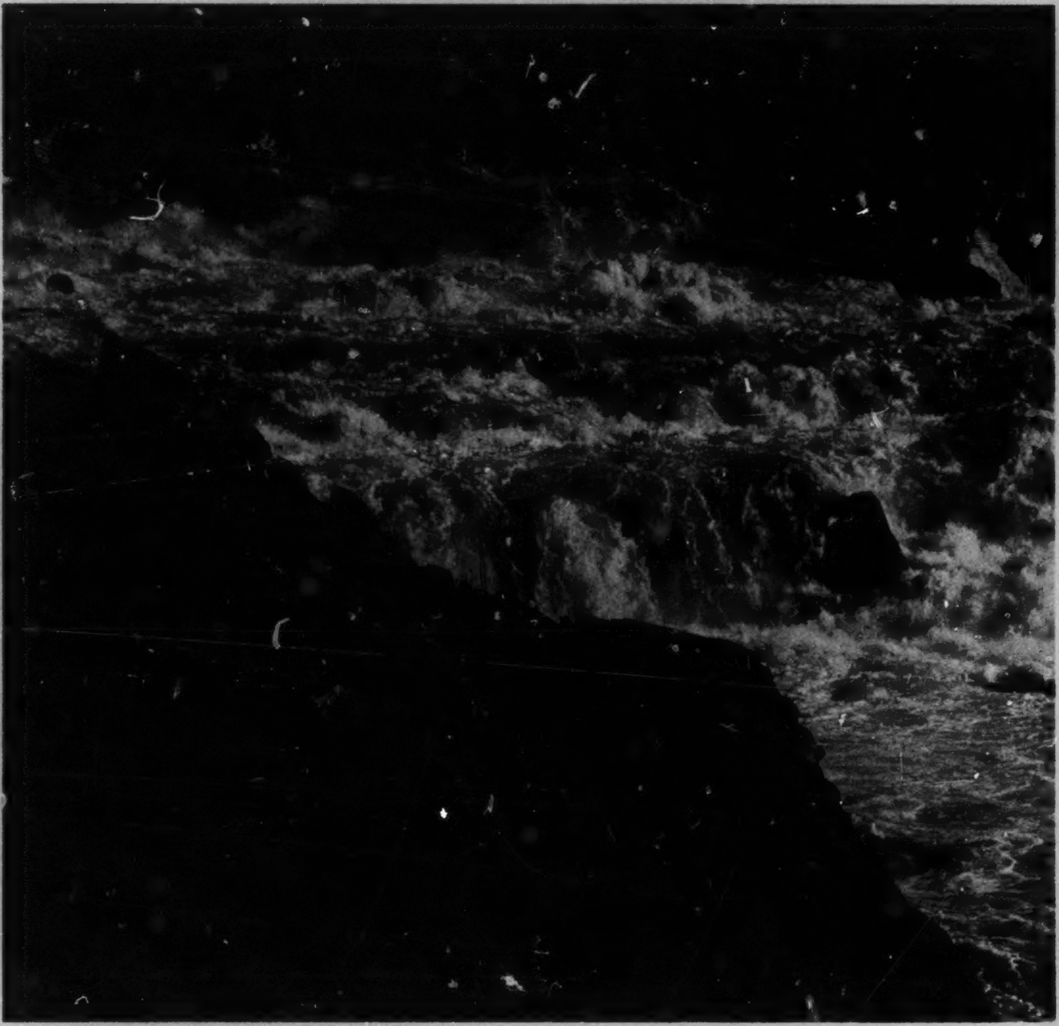

Historically, the free flow of American agricultural exports to foreign consumers has been highly beneficial to the economy of the U.S. soy complex. Only when America does not practice the free trade it preaches, the soybean industry, and indeed the whole American economy, suffers irreparable harm.

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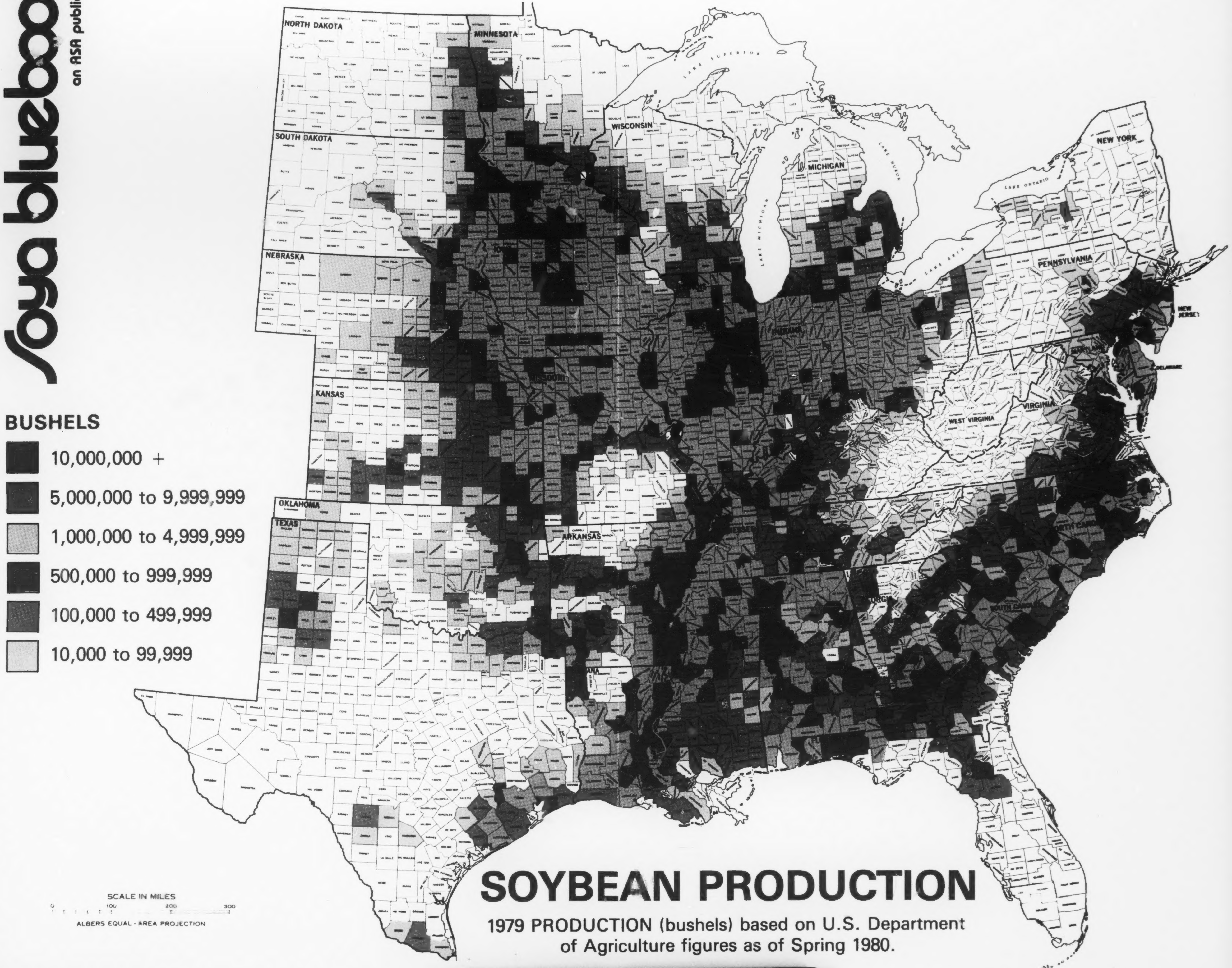
BUSHELS
■ 10,000,000 +
■ 5,000,000 to 9,999,999
▨ 1,000,000 to 4,999,999
■ 500,000 to 999,999
■ 100,000 to 499,999
□ 10,000 to 99,999
NORTH DAKOTA
MINNESOTA
SOUTH DAKOTA
WISCONSIN
MICHIGAN
NEW YORK
LAKE SUPERIOR
LAKE MICHIGAN
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NEBRASKA
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PENNSYLVANIA
NEW JERSEY
INDIANA
DELAWARE
KANSAS
MISSOURI
WEST VIRGINIA
VIRGINIA
OKLAHOMA
TEXAS
ARKANSAS
NORTH CAROLINA
SOUTH CAROLINA
SCALE IN MILES
0
100
200
300
ALBERS EQUAL - AREA PROJECTION

SOYBEAN PRODUCTION

1979 PRODUCTION (bushels) based on U.S. Department of Agriculture figures as of Spring 1980.

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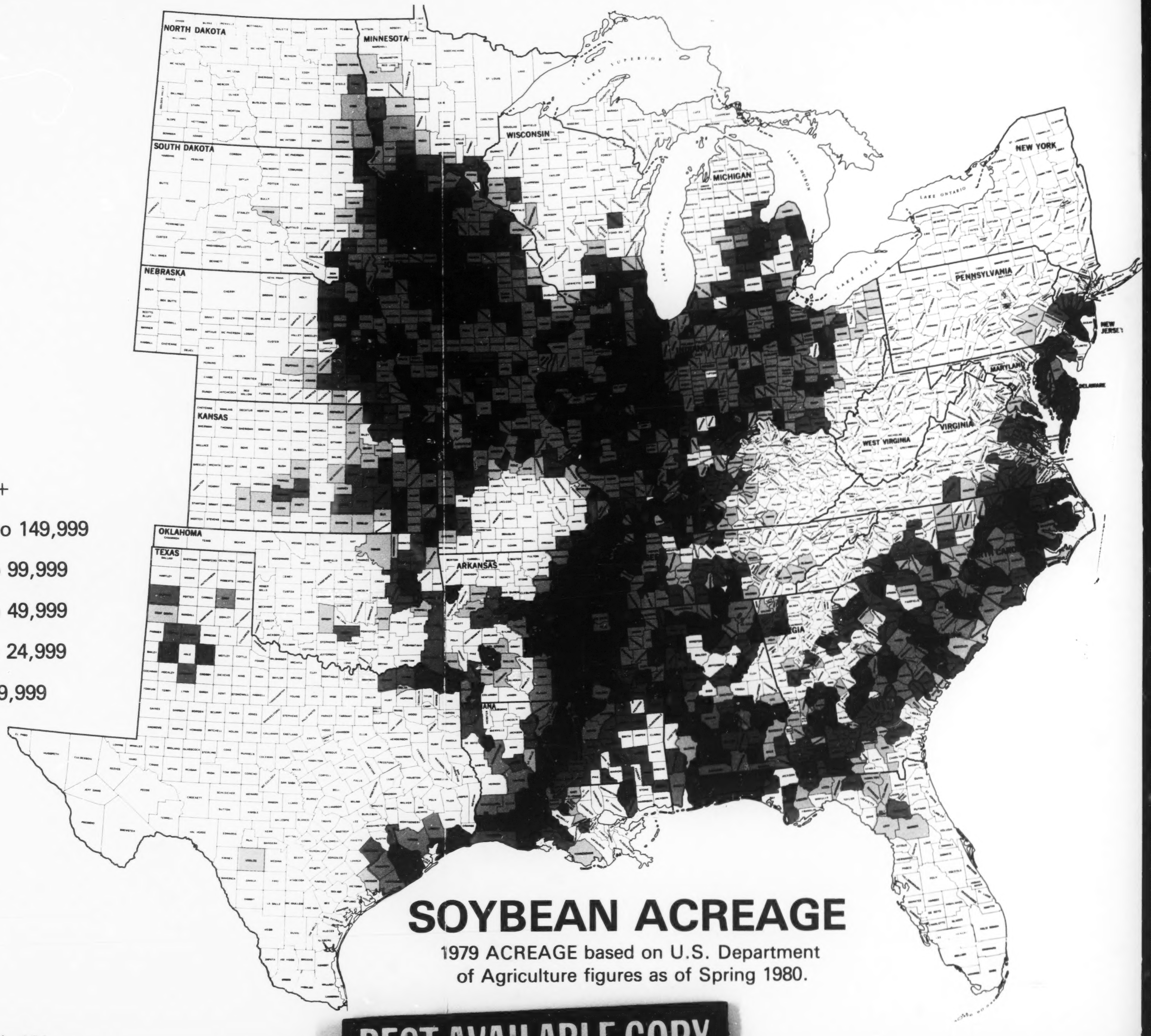
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